

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020119\
 Data File : VX007333.D
 Acq On : 01 Feb 2019 13:22
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX020119

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 9:37:02 AM

Quant Time: Feb 02 03:29:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	527206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	749627	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	706902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	380944	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	260701	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
35) Dibromofluoromethane	5.50	113	233370	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
50) Toluene-d8	8.71	98	894952	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
62) 4-Bromofluorobenzene	11.13	95	330090	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	321395	49.611	ug/l 96
3) Chloromethane	1.33	50	290138	48.860	ug/l 99
4) Vinyl Chloride	1.41	62	292797	50.260	ug/l 99
5) Bromomethane	1.64	94	283561	49.220	ug/l 98
6) Chloroethane	1.72	64	175069	46.456	ug/l 99
7) Trichlorofluoromethane	1.93	101	431535	47.353	ug/l 98
8) Diethyl Ether	2.19	74	157318	45.864	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	252545	46.588	ug/l 99
10) Methyl Iodide	2.51	142	369642	46.354	ug/l 99
11) Tert butyl alcohol	3.06	59	280680	242.369	ug/l 99
12) 1,1-Dichloroethene	2.37	96	228494	45.392	ug/l 99
13) Acrolein	2.29	56	139519	256.918	ug/l 99
14) Allyl chloride	2.73	41	393744	48.007	ug/l 99
15) Acrylonitrile	3.15	53	667589	233.030	ug/l 99
16) Acetone	2.45	43	629275	245.492	ug/l 97
17) Carbon Disulfide	2.57	76	617194	47.021	ug/l 99
18) Methyl Acetate	2.78	43	327413	49.035	ug/l 100
19) Methyl tert-butyl Ether	3.20	73	746050	45.748	ug/l 97
20) Methylene Chloride	2.85	84	252795	48.269	ug/l 97
21) trans-1,2-Dichloroethene	3.17	96	241545	45.046	ug/l 98
22) Diisopropyl ether	3.87	45	704438	46.692	ug/l 98
23) Vinyl Acetate	3.82	43	3036286	242.527	ug/l 99
24) 1,1-Dichloroethane	3.70	63	423075	48.831	ug/l 98
25) 2-Butanone	4.70	43	877112	240.442	ug/l 98
26) 2,2-Dichloropropane	4.59	77	314974	47.737	ug/l 99
27) cis-1,2-Dichloroethene	4.60	96	260981	44.560	ug/l 100
28) Bromochloromethane	5.01	49	185723	46.614	ug/l 97
29) Tetrahydrofuran	5.15	42	567032	247.150	ug/l 99
30) Chloroform	5.21	83	417342	46.162	ug/l 98
31) Cyclohexane	5.57	56	368317	47.333	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	366549	48.032	ug/l 99
36) 1,1-Dichloropropene	5.80	75	316888	47.114	ug/l 100
37) Ethyl Acetate	4.85	43	323328	47.555	ug/l 99
38) Carbon Tetrachloride	5.78	117	329655	50.520	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	410551	50.450	ug/l	97
40) Benzene	6.14	78	931497	47.015	ug/l	100
41) Methacrylonitrile	5.06	41	178794	49.066	ug/l	100
42) 1,2-Dichloroethane	6.20	62	319113	46.551	ug/l	100
43) Isopropyl Acetate	6.46	43	523720	49.904	ug/l	100
44) Trichloroethene	7.21	130	281851	47.234	ug/l	98
45) 1,2-Dichloropropane	7.51	63	236494	47.641	ug/l	99
46) Dibromomethane	7.66	93	167436	46.408	ug/l	99
47) Bromodichloromethane	7.90	83	299520	48.984	ug/l	99
48) Methyl methacrylate	7.77	41	268797	51.206	ug/l	99
49) 1,4-Dioxane	7.74	88	122635	1027.087	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1739834	251.837	ug/l	99
52) Toluene	8.78	92	614558	48.077	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	341425	51.983	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	371785	51.473	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	252345	47.358	ug/l	99
56) Ethyl methacrylate	9.18	69	372693	50.501	ug/l	100
57) 1,3-Dichloropropane	9.37	76	397686	46.931	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	982263	252.519	ug/l	99
59) 2-Hexanone	9.49	43	1340087	249.271	ug/l	99
60) Dibromochloromethane	9.58	129	265548	52.694	ug/l	99
61) 1,2-Dibromoethane	9.67	107	271872	48.180	ug/l	98
64) Tetrachloroethene	9.34	164	303809	45.598	ug/l	99
65) Chlorobenzene	10.13	112	716741	46.463	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	253799	49.073	ug/l	99
67) Ethyl Benzene	10.25	91	1205492	48.527	ug/l	98
68) m/p-Xylenes	10.36	106	959360	97.152	ug/l	100
69) o-Xylene	10.69	106	464603	48.895	ug/l	100
70) Styrene	10.71	104	758342	49.210	ug/l	99
71) Bromoform	10.85	173	204222	45.423	ug/l	100
73) Isopropylbenzene	11.02	105	1243511	48.036	ug/l	99
74) N-amyl acetate	10.90	43	481294	48.068	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	363511	46.076	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	361316m	48.762	ug/l	
77) Bromobenzene	11.26	156	334716	45.890	ug/l	99
78) n-propylbenzene	11.36	91	1410495	49.688	ug/l	100
79) 2-Chlorotoluene	11.42	91	817734	47.475	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1039988	49.105	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	112444	47.166	ug/l	99
82) 4-Chlorotoluene	11.51	91	963265	48.331	ug/l	100
83) tert-Butylbenzene	11.77	119	1016901	48.497	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1062214	49.402	ug/l	99
85) sec-Butylbenzene	11.94	105	1274321	50.213	ug/l	100
86) p-Isopropyltoluene	12.06	119	1142341	49.864	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	606428	46.328	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	599132	45.114	ug/l	100
89) n-Butylbenzene	12.38	91	990964	50.284	ug/l	100
90) Hexachloroethane	12.60	117	179504	52.355	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	587062	45.065	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	79077	48.205	ug/l	98

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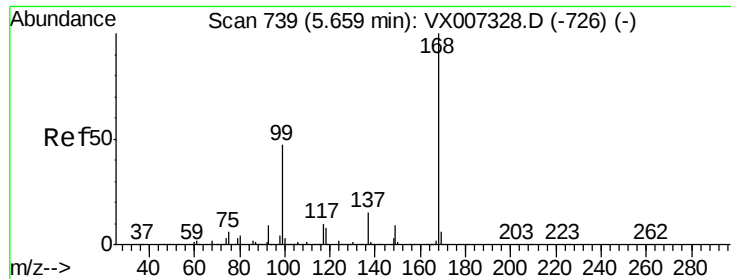
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	415388	47.282	ug/l	99
94) Hexachlorobutadiene	13.78	225	202991	47.584	ug/l	100
95) Naphthalene	13.83	128	1220640	47.512	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	410442	46.413	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX020119

Tot Ion:168 Resp: 527206

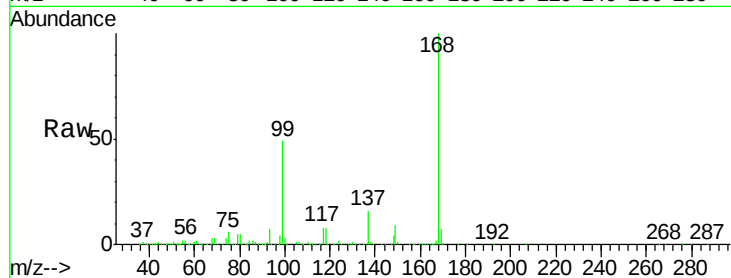
Ion Ratio Lower Upper

168 100

99 48.5 37.9 56.9

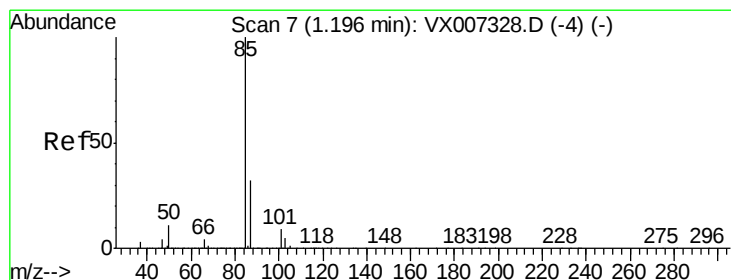
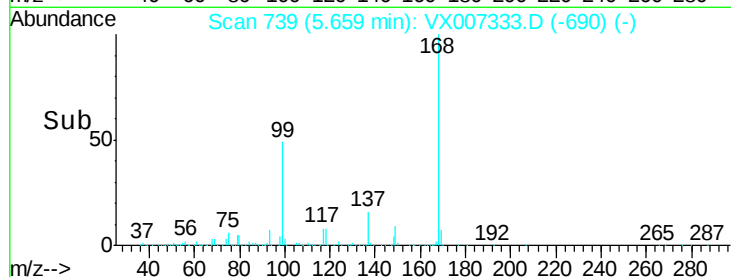
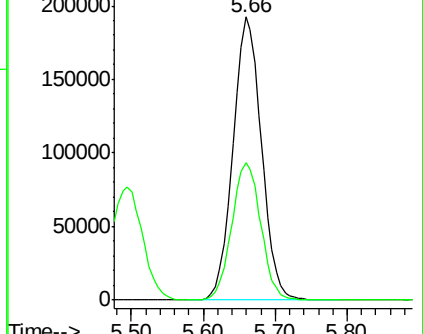
Manual Integrations
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2/4/2019 9:37:02 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 49.611 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007333.D

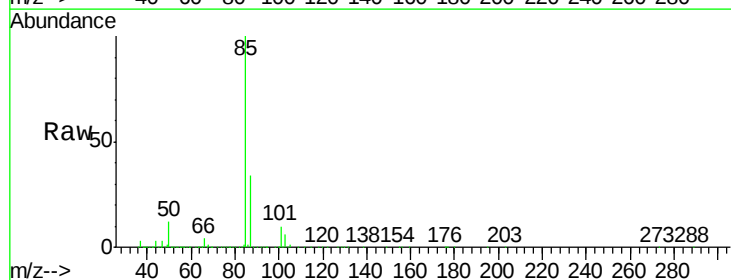
Acq: 01 Feb 2019 13:22

Tgt Ion: 85 Resp: 321395

Ion Ratio Lower Upper

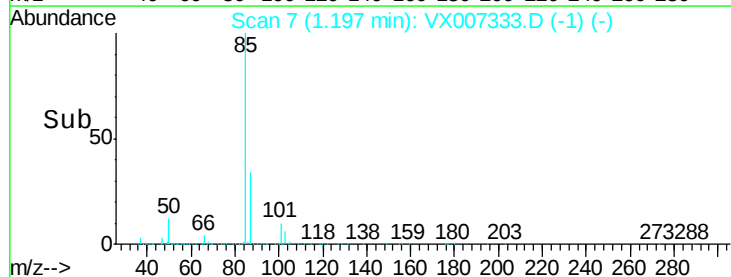
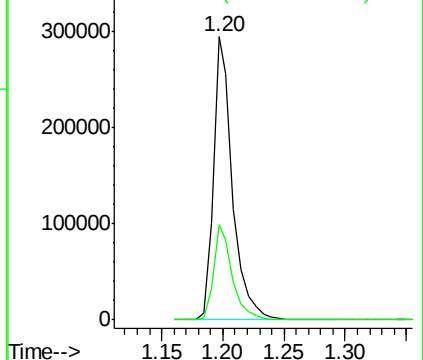
85 100

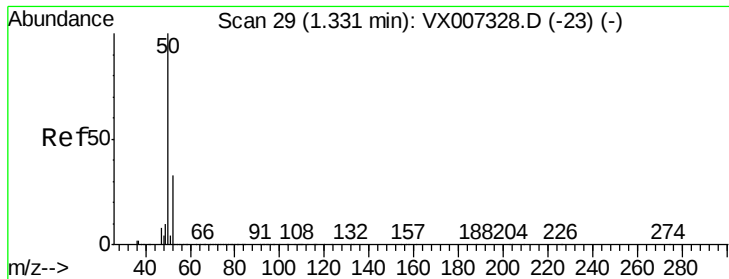
87 33.7 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 48.860 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX020119

Tot Ion: 50 Resp: 290138

Ion Ratio Lower Upper

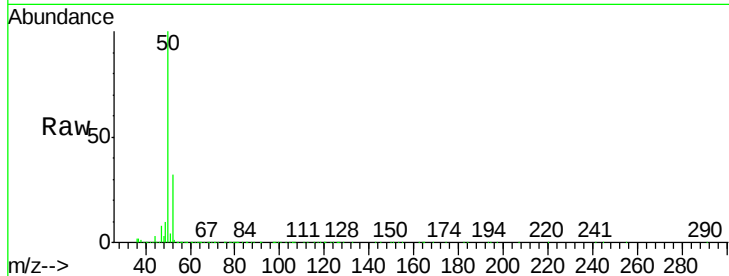
50 100

52 32.1 26.1 39.1

Manual Integrations
APPROVED

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

250000

200000

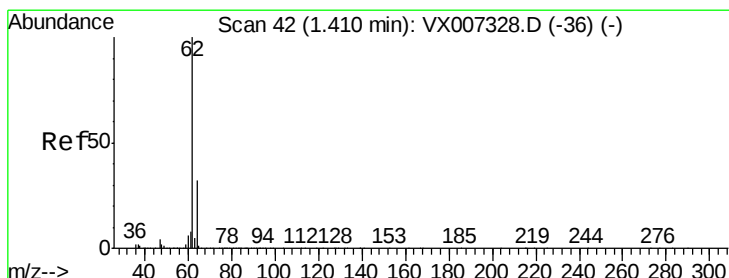
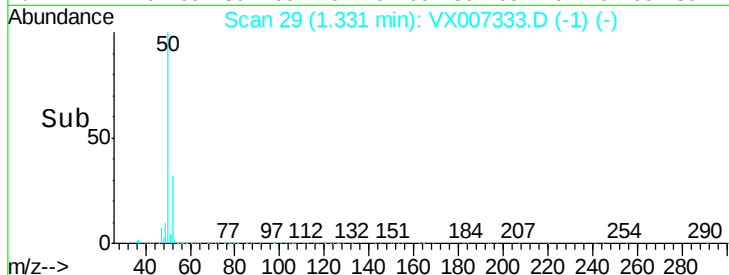
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 50.260 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007333.D

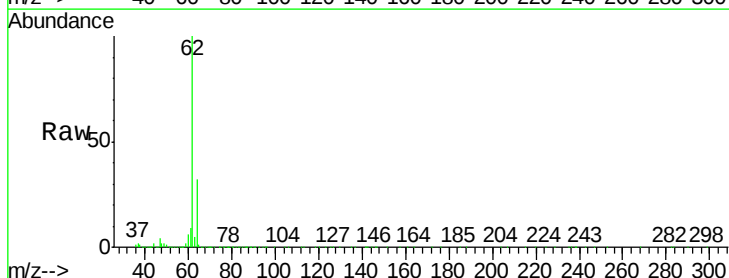
Acq: 01 Feb 2019 13:22

Tgt Ion: 62 Resp: 292797

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

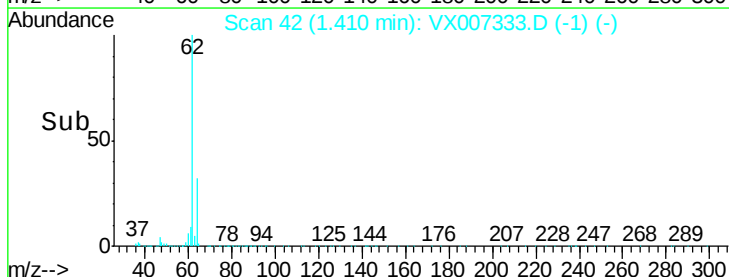
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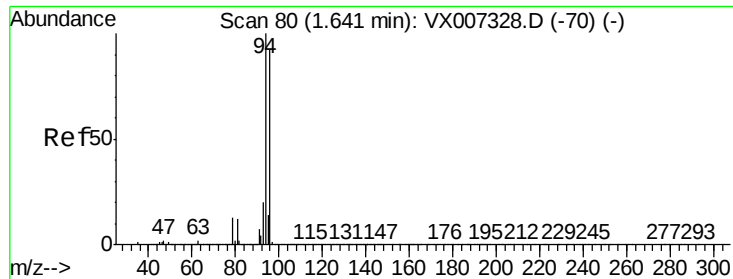
200000

100000

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Time-->





#5

Bromomethane

Concen: 49.220 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX020119

Tot Ion: 94 Resp: 283561

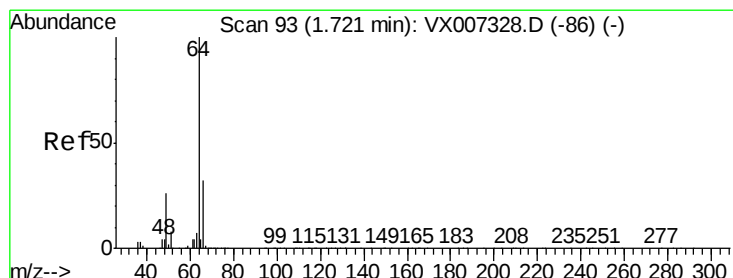
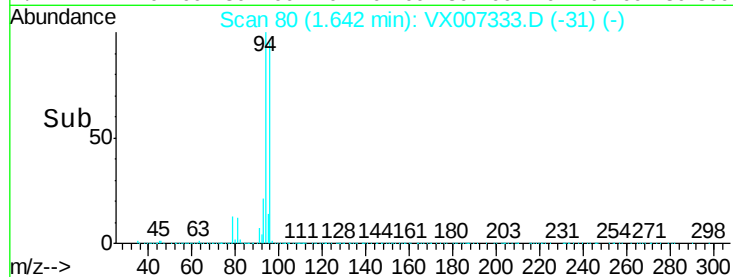
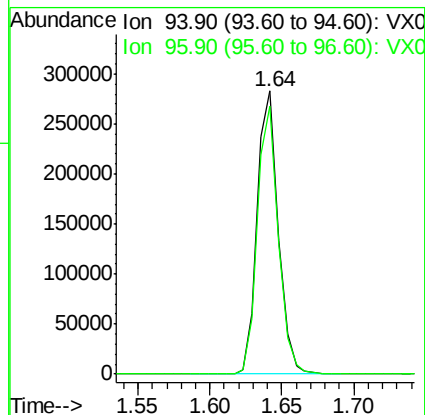
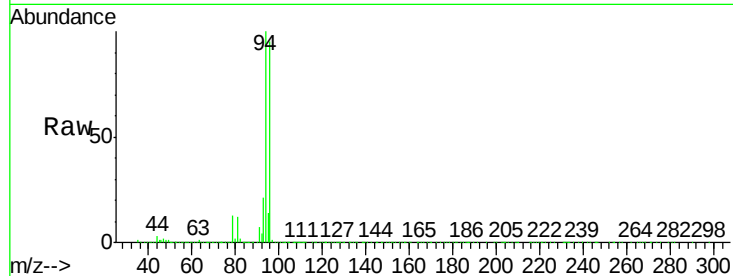
Ion Ratio Lower Upper

94 100

96 94.6 73.9 110.9

Manual Integrations
APPROVED

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#6

Chloroethane

Concen: 46.456 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX007333.D

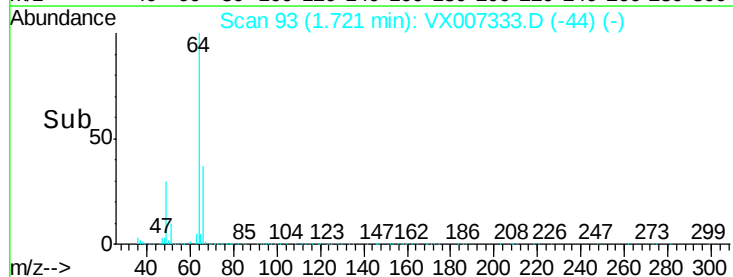
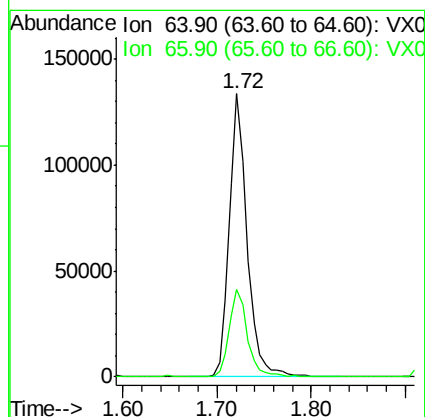
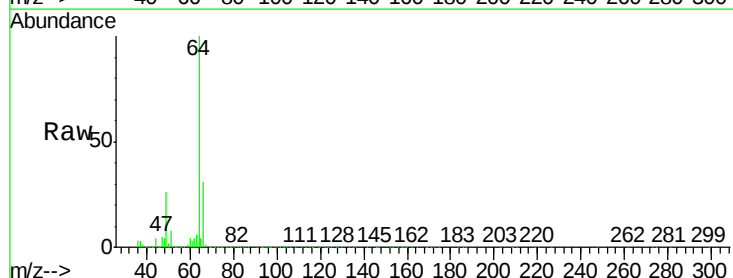
Acq: 01 Feb 2019 13:22

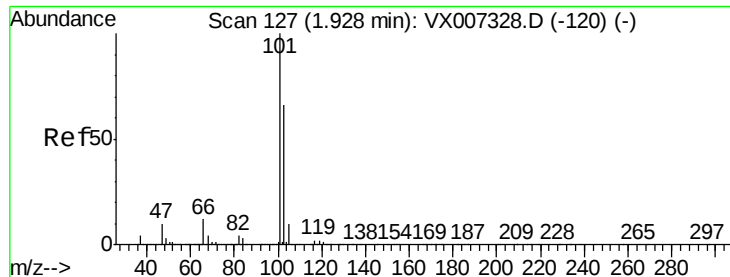
Tgt Ion: 64 Resp: 175069

Ion Ratio Lower Upper

64 100

66 31.1 25.5 38.3





#7

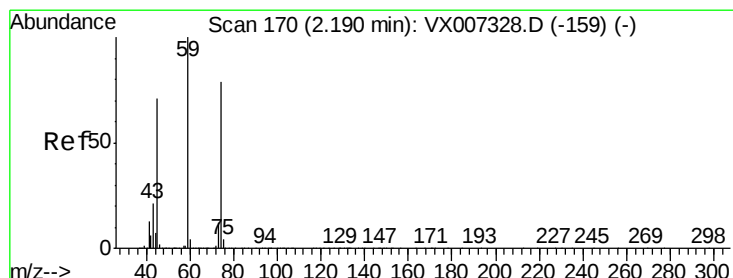
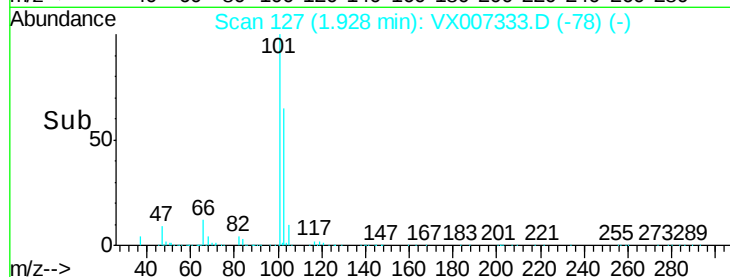
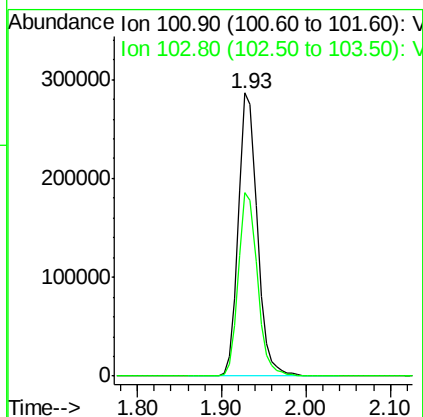
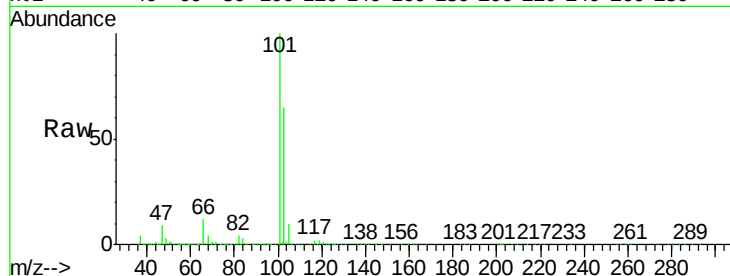
Trichlorofluoromethane
Concen: 47.353 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007333.D
Acq: 01 Feb 2019 13:22

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ICVVX020119

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.6	79.0

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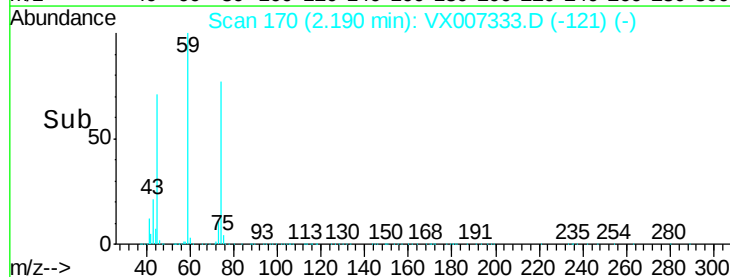
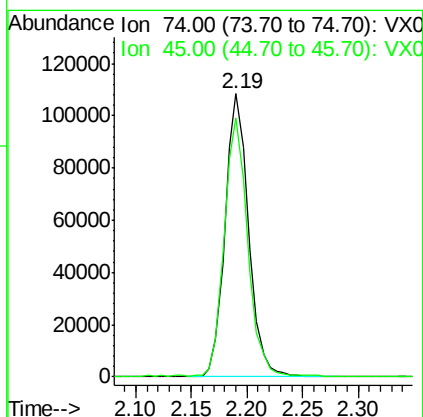
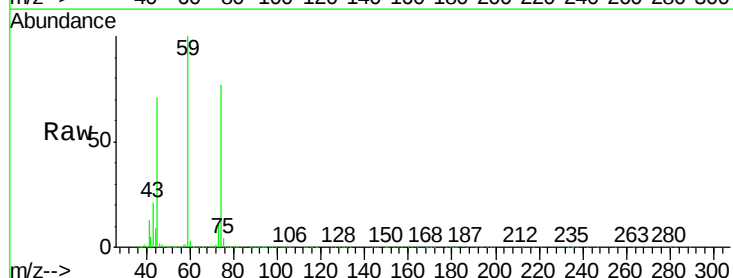
MMDadoda
2/4/2019 9:37:02 AM

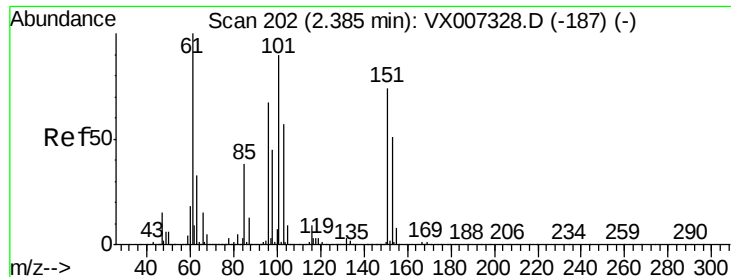


#8

Diethyl Ether
Concen: 45.864 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007333.D
Acq: 01 Feb 2019 13:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.6	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.588 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Instrument :

MSVOA_X

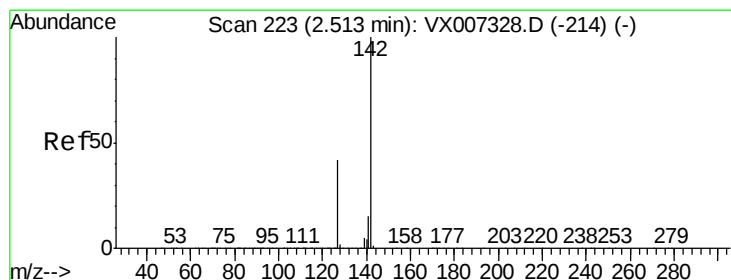
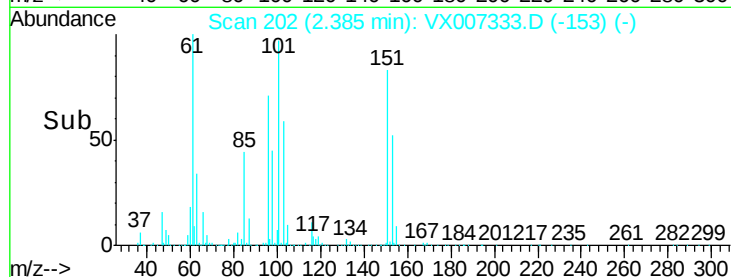
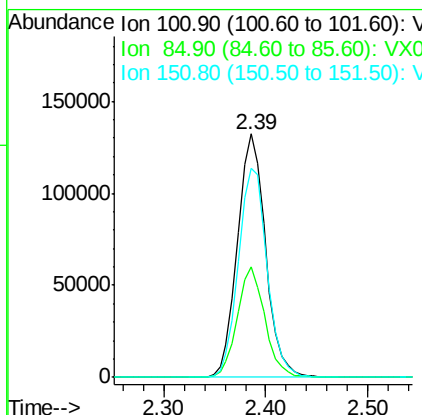
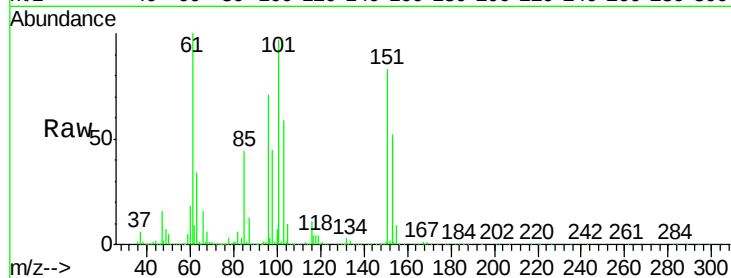
ClientSampleId :

ICVVX020119

Tot Ion:	101	Resp:	252545
Ion Ratio	Lower	Upper	
101	100		
85	44.4	34.1	51.1
151	87.9	69.9	104.9

Manual Integrations
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MMDadoda
2/4/2019 9:37:02 AM



#10

Methyl Iodide

Concen: 46.354 ug/l

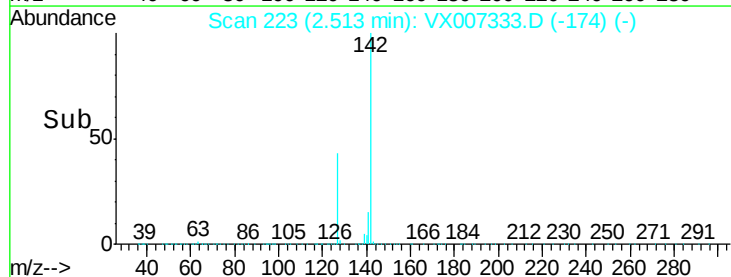
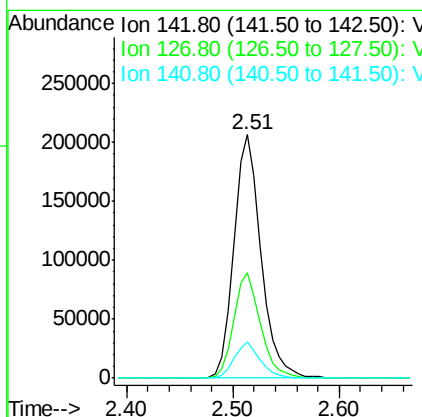
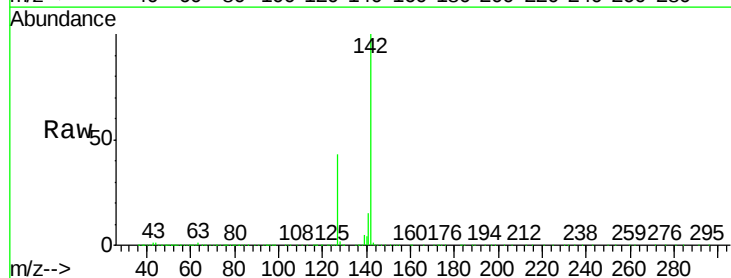
RT: 2.51 min Scan# 223

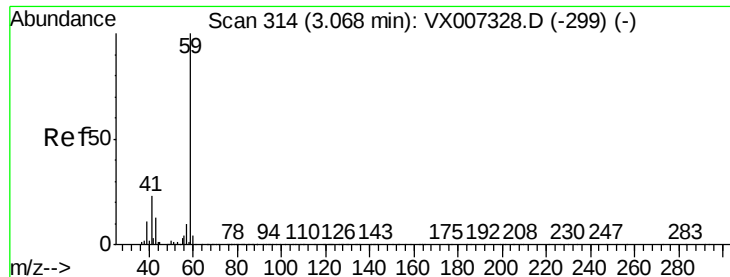
Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Tgt Ion:	142	Resp:	369642
Ion Ratio	Lower	Upper	
142	100		
127	42.9	33.7	50.5
141	14.1	11.3	16.9





#11

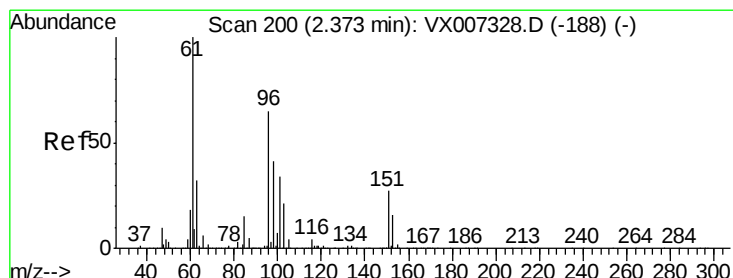
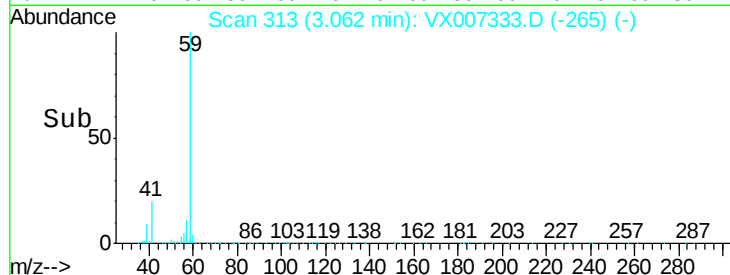
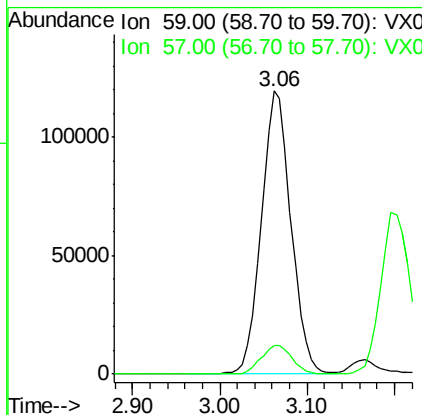
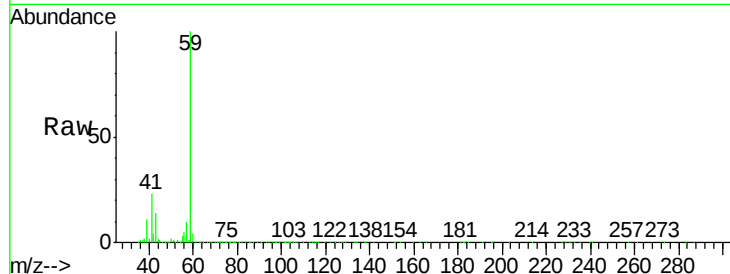
Tert butyl alcohol
Concen: 242.369 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX007333.D
Acq: 01 Feb 2019 13:22

Instrument :
MSVOA_X
ClientSampled :
ICVX020119

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.1	12.1

Manual Integrations
APPROVED

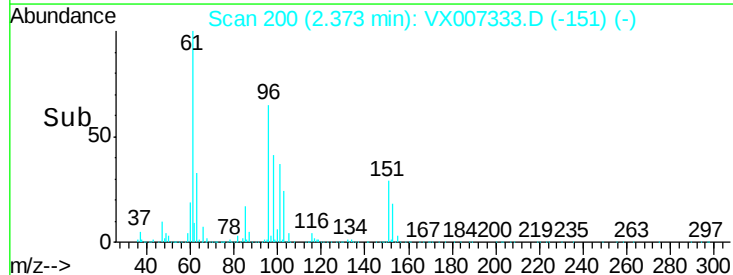
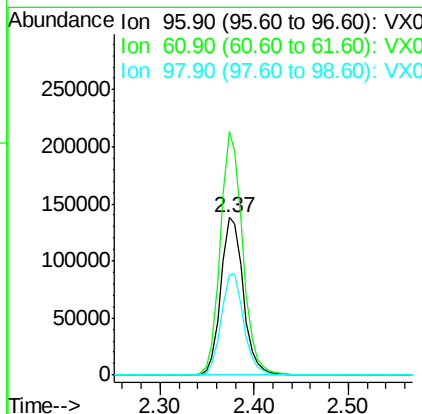
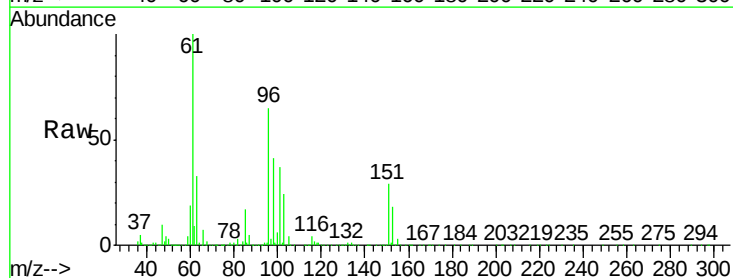
MMDadoda
2/4/2019 9:37:02 AM

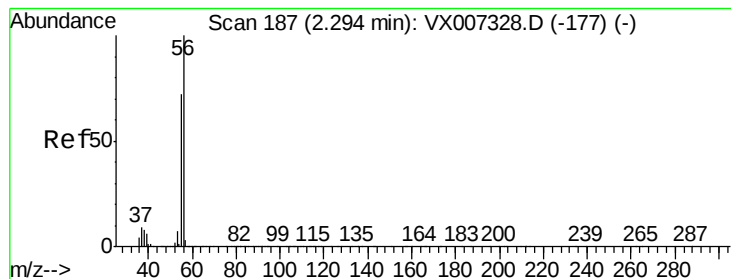


#12

1,1-Dichloroethene
Concen: 45.392 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007333.D
Acq: 01 Feb 2019 13:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.6	123.0	184.4
98	63.3	50.9	76.3





#13

Acrolein

Concen: 256.918 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX020119

Tot Ion: 56 Resp: 139519

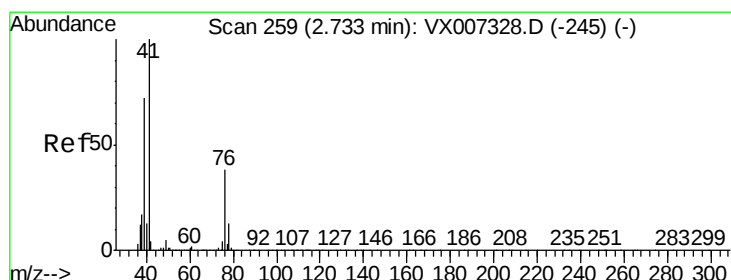
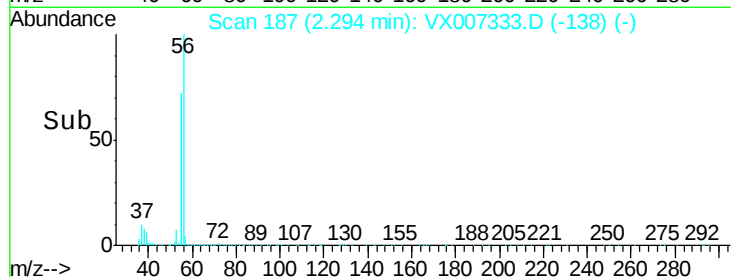
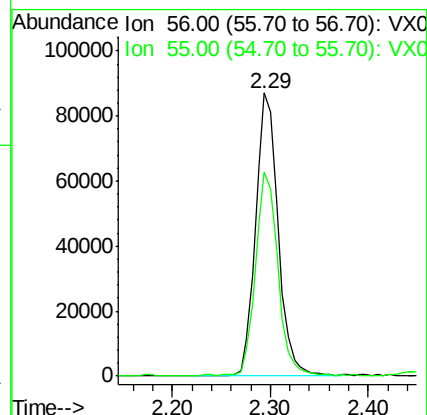
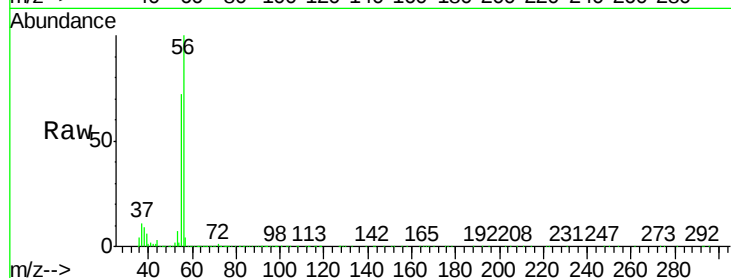
Ion Ratio Lower Upper

56 100

55 71.7 56.9 85.3

Manual Integrations
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#14

Allyl chloride

Concen: 48.007 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

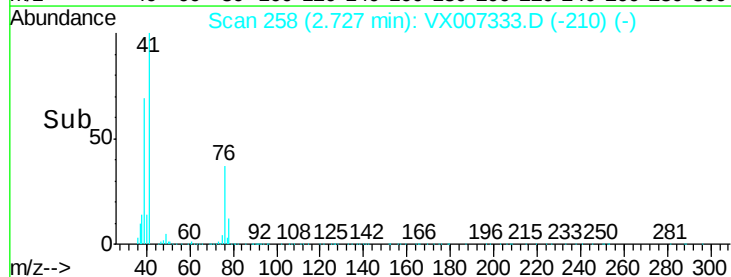
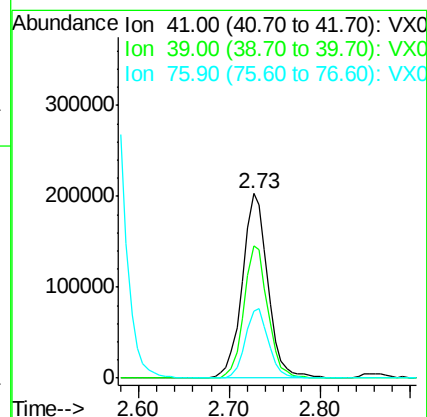
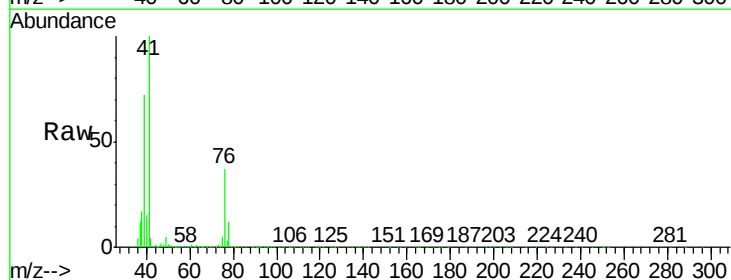
Tgt Ion: 41 Resp: 393744

Ion Ratio Lower Upper

41 100

39 67.0 54.1 81.1

76 34.3 27.8 41.8





#15

Acrylonitrile

Concen: 233.030 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Instrument :

MSVOA_X

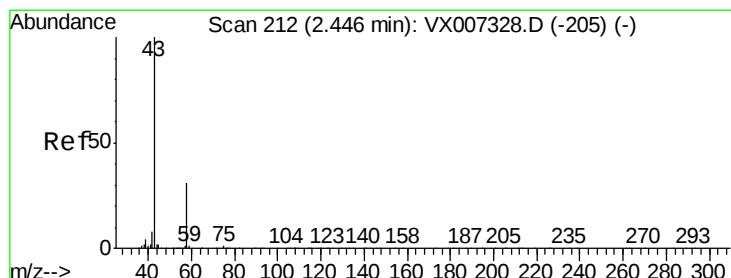
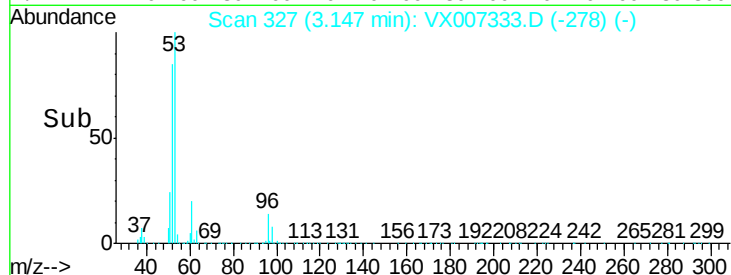
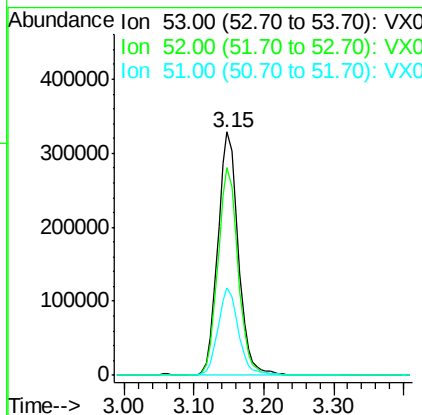
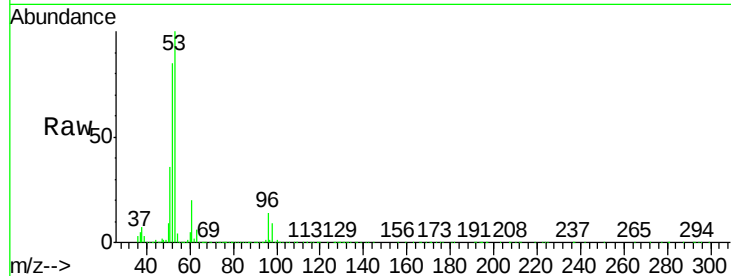
ClientSampleId :

ICVVX020119

Tot Ion:	53	Resp:	667589
Ion Ratio		Lower	Upper
53	100		
52	83.8	66.4	99.6
51	36.2	28.4	42.6

Manual Integrations
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MMDadoda
2/4/2019 9:37:02 AM



#16

Acetone

Concen: 245.492 ug/l

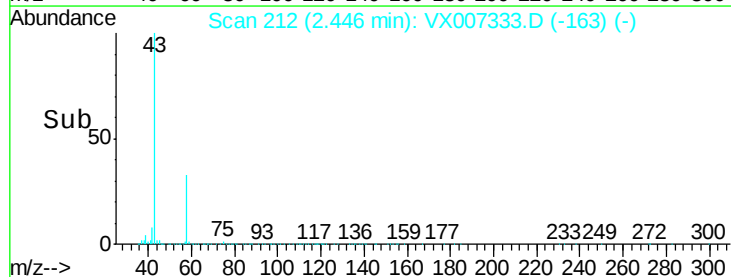
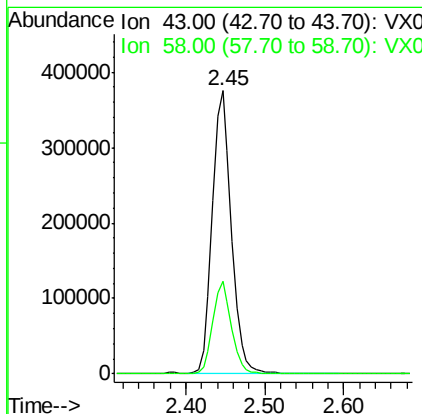
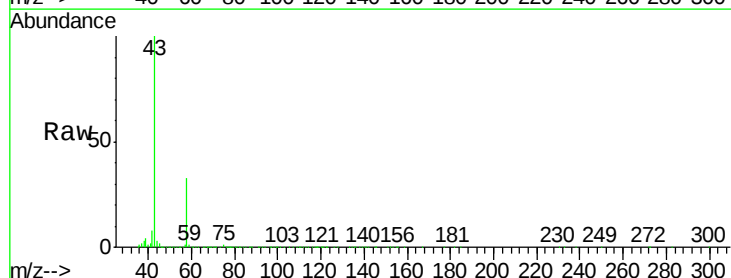
RT: 2.45 min Scan# 212

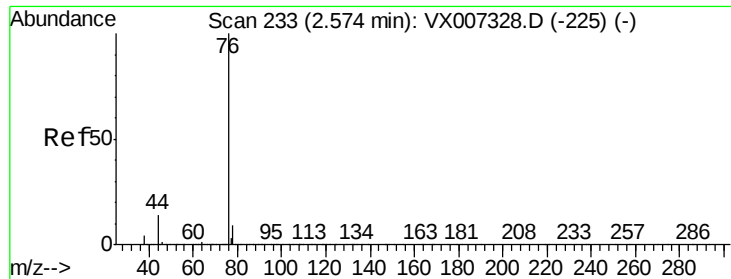
Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Tgt Ion:	43	Resp:	629275
Ion Ratio		Lower	Upper
43	100		
58	32.8	24.9	37.3





#17

Carbon Disulfide

Concen: 47.021 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX020119

Tot Ion: 76 Resp: 617194

Ion Ratio Lower Upper

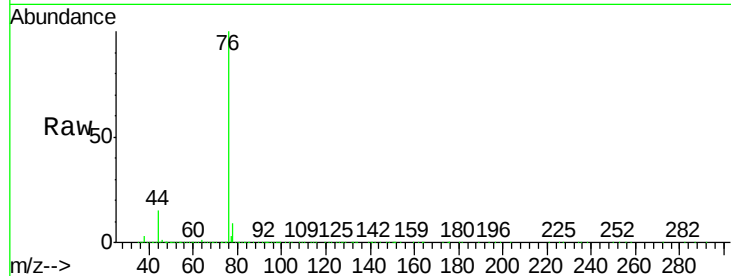
76 100

78 9.3 7.1 10.7

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

400000

300000

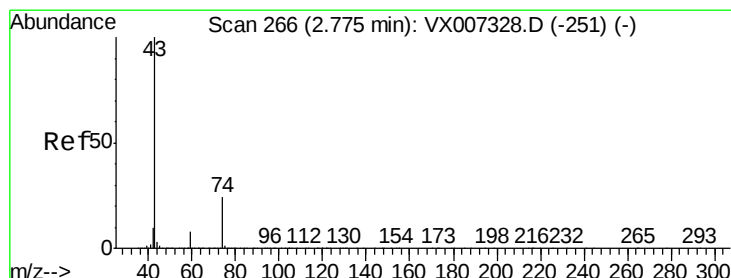
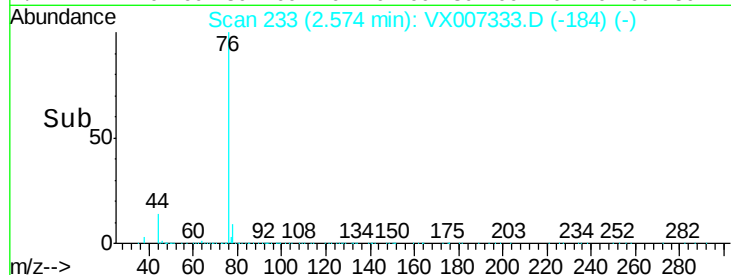
200000

100000

0

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 49.035 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX007333.D

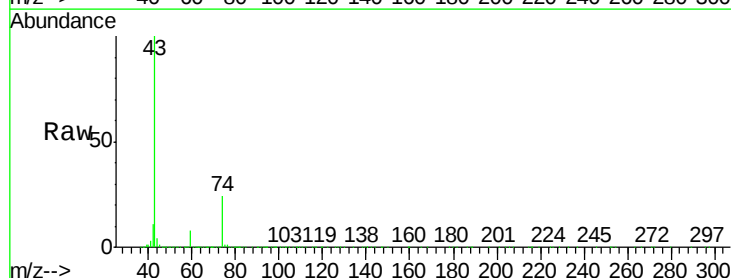
Acq: 01 Feb 2019 13:22

Tgt Ion: 43 Resp: 327413

Ion Ratio Lower Upper

43 100

74 24.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

200000

150000

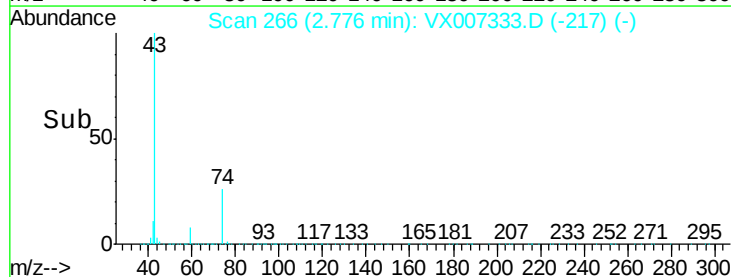
100000

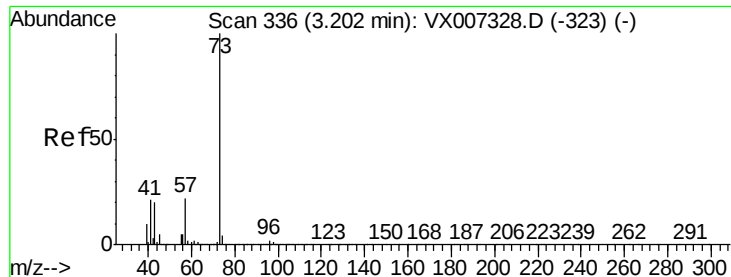
50000

0

2.70 2.80

Time-->





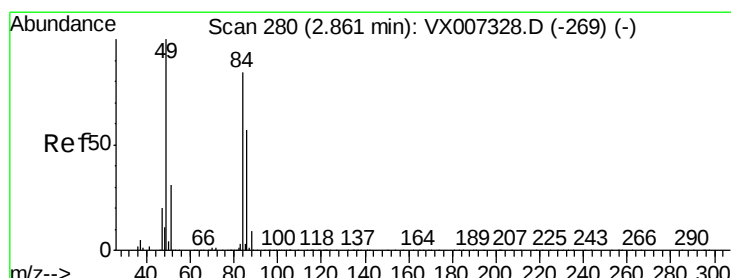
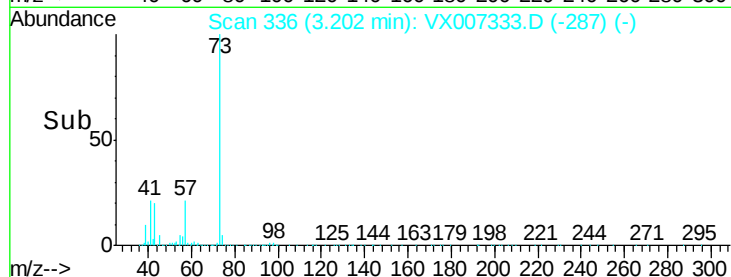
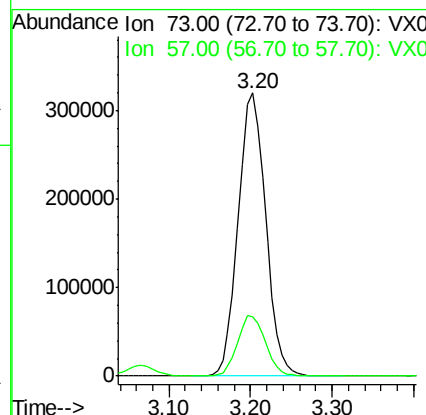
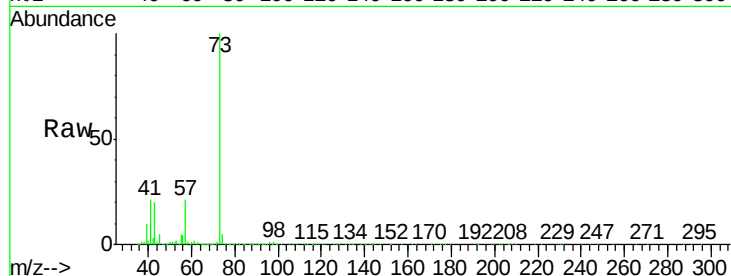
#19
Methvl tert-butvl Ether
Concen: 45.748 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007333.D
Acq: 01 Feb 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX020119

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.8	26.8

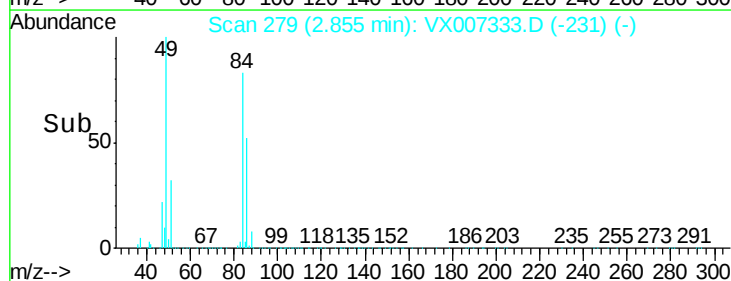
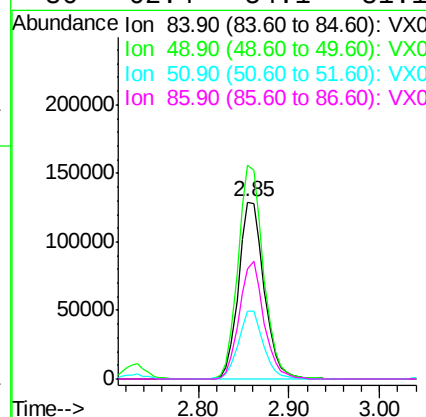
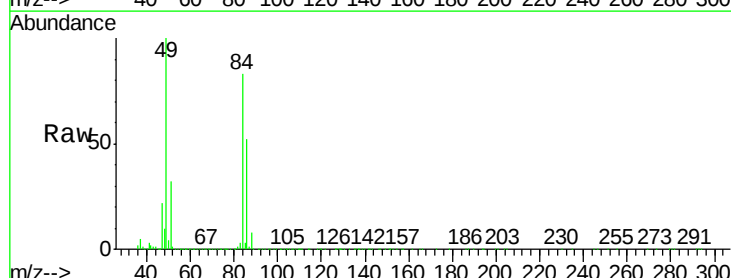
Manual Integrations
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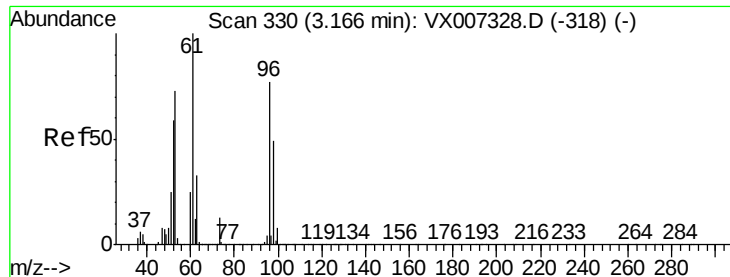
MMDadoda
2/4/2019 9:37:02 AM



#20
Methylene Chloride
Concen: 48.269 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007333.D
Acq: 01 Feb 2019 13:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.7	94.8	142.2
51	38.3	29.8	44.8
86	62.4	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 45.046 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Instrument :

MSVOA_X

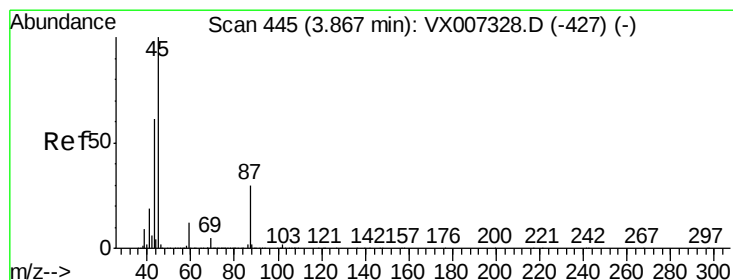
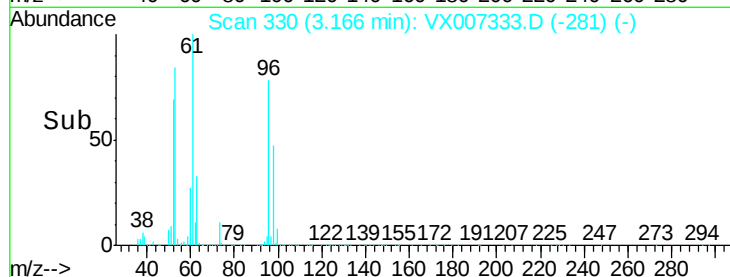
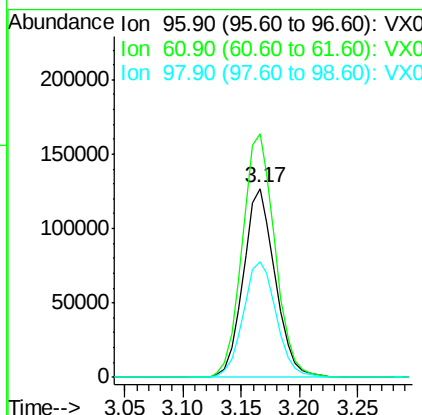
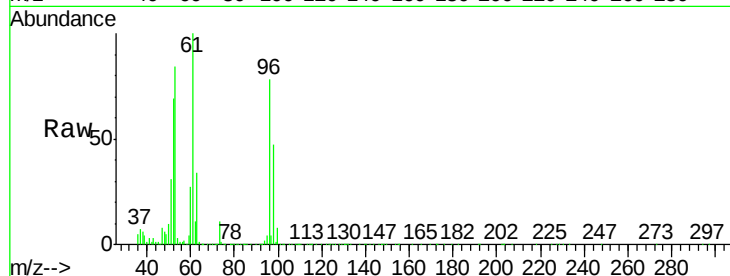
ClientSampleId :

ICVVX020119

Tot Ion:	96	Resp:	241545
Ion	Ratio	Lower	Upper
96	100		
61	128.7	104.6	156.8
98	61.0	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 46.692 ug/l

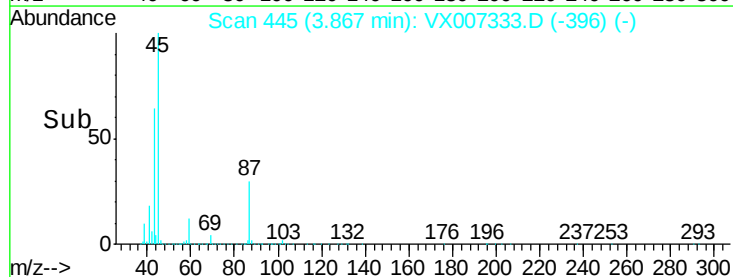
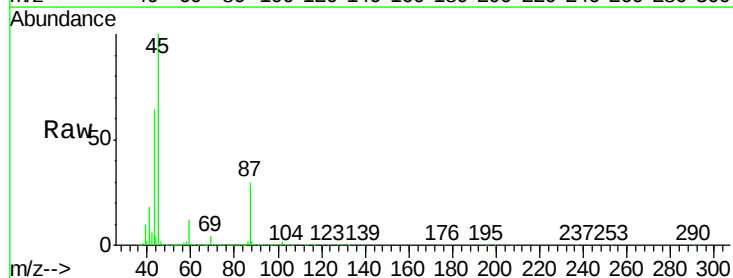
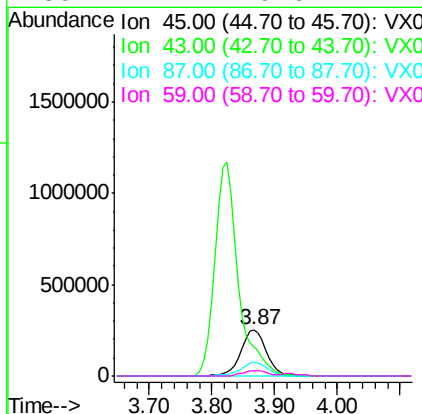
RT: 3.87 min Scan# 445

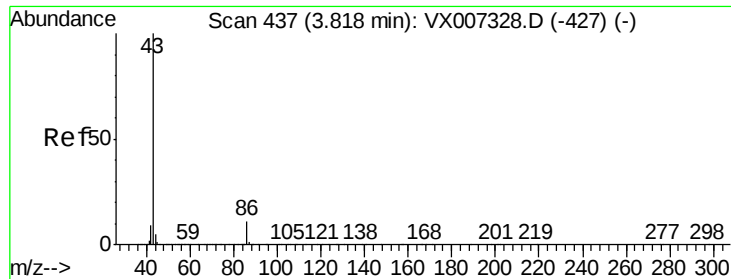
Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Tgt Ion:	45	Resp:	704438
Ion	Ratio	Lower	Upper
45	100		
43	63.4	48.9	73.3
87	29.9	23.9	35.9
59	12.2	9.6	14.4





#23

Vinyl Acetate

Concen: 242.527 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Instrument :

MSVOA_X

ClientSampled :

ICVVX020119

Tot Ion: 43 Resp: 3036286

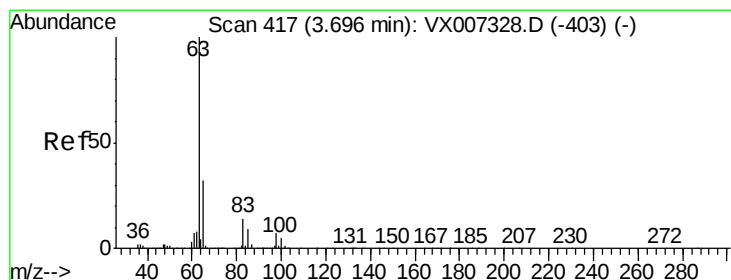
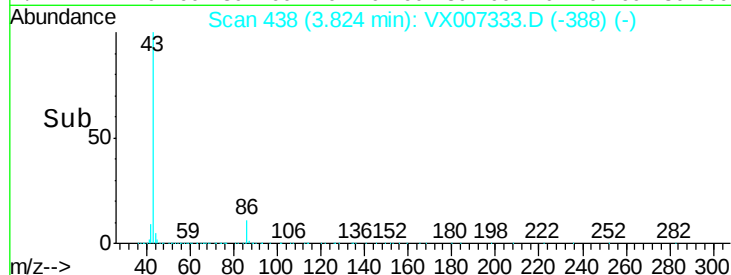
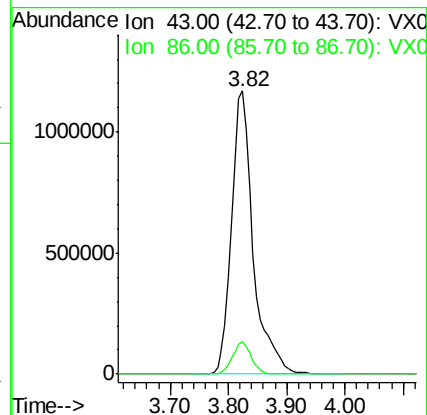
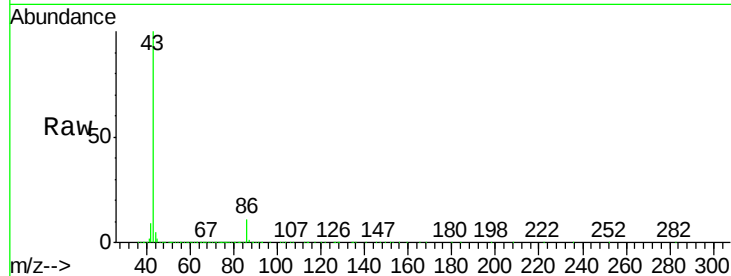
Ion Ratio Lower Upper

43 100

86 11.4 8.7 13.1

Manual Integrations
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MMDadoda
2/4/2019 9:37:02 AM



#24

1,1-Dichloroethane

Concen: 48.831 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

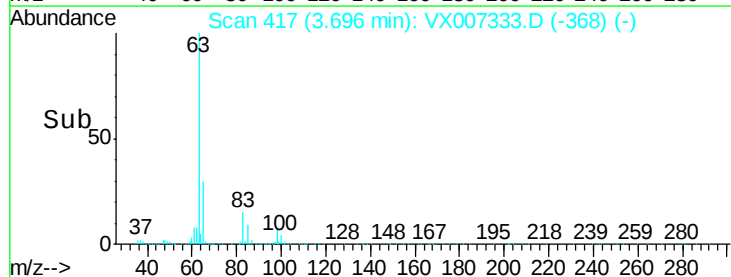
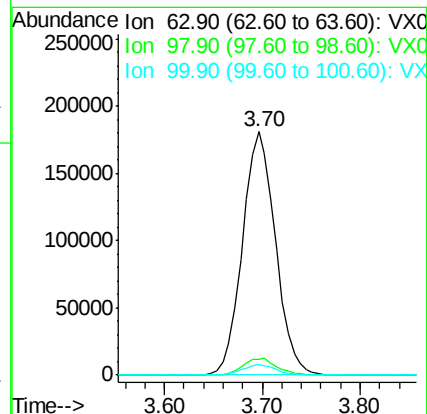
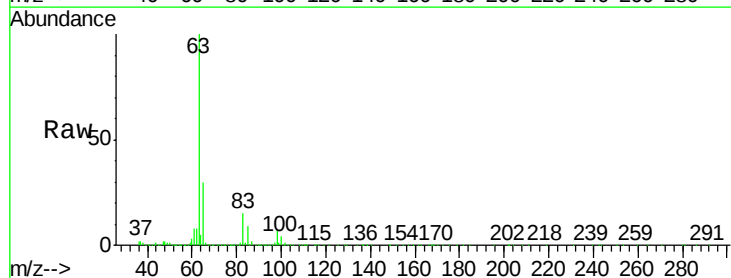
Tgt Ion: 63 Resp: 423075

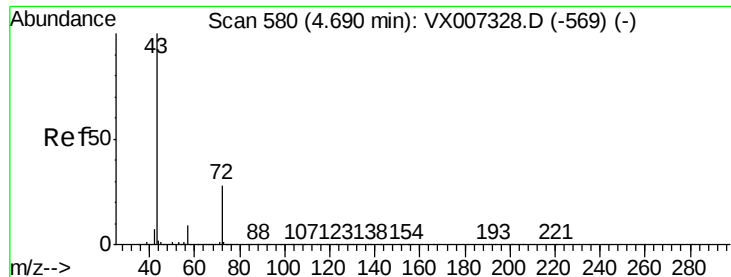
Ion Ratio Lower Upper

63 100

98 6.5 3.6 10.8

100 4.4 2.5 7.4





#25

2-Butanone

Concen: 240.442 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Tot Ion: 43 Resp: 877112

Ion Ratio Lower Upper

43 100

72 26.8 22.2 33.2

Instrument :

MSVOA_X

ClientSampleId :

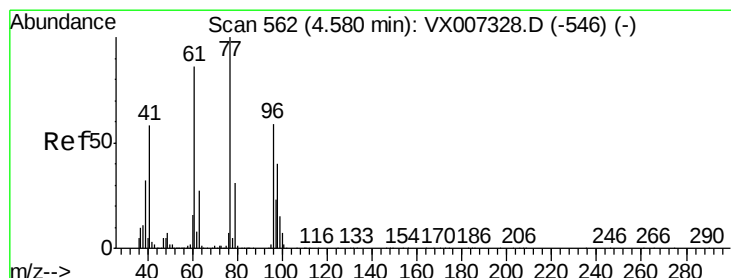
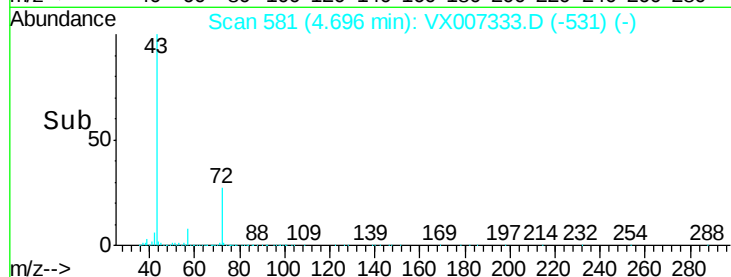
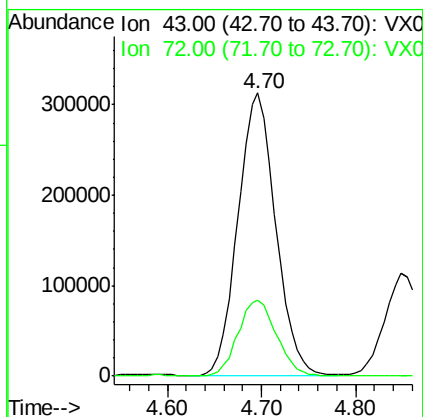
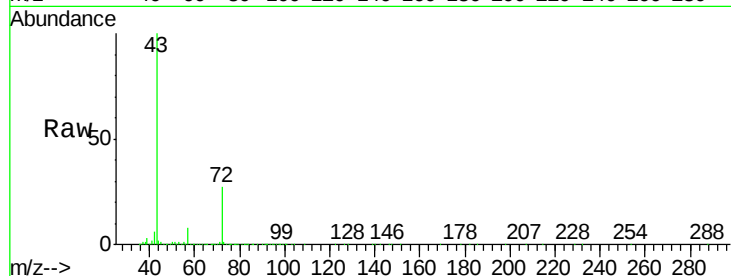
ICVVX020119

Manual Integrations

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2/4/2019 9:37:02 AM



#26

2,2-Dichloropropane

Concen: 47.737 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX007333.D

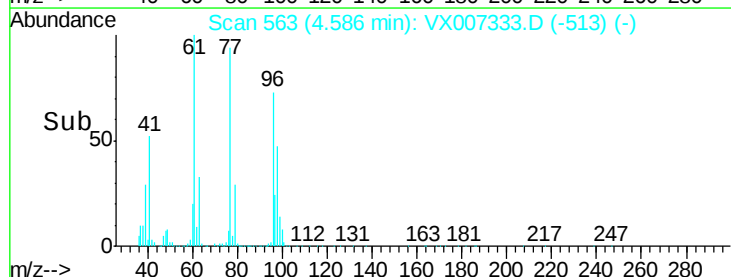
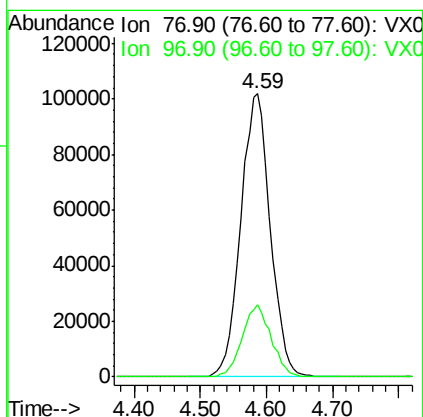
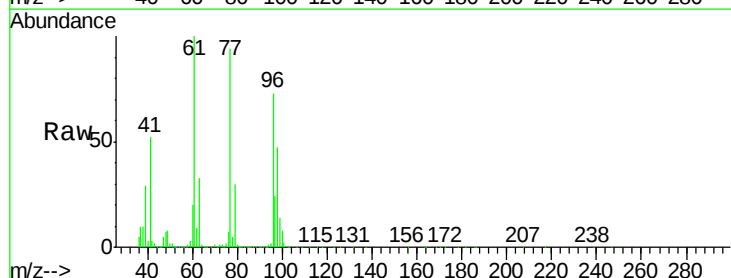
Acq: 01 Feb 2019 13:22

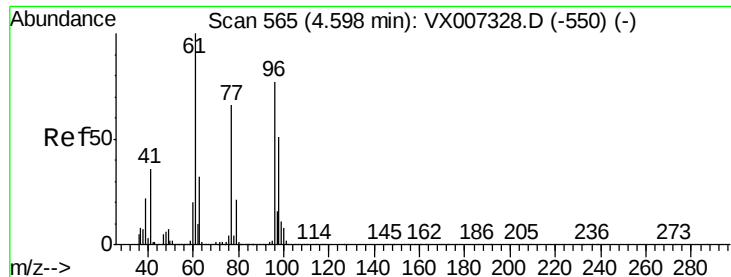
Tgt Ion: 77 Resp: 314974

Ion Ratio Lower Upper

77 100

97 24.9 12.1 36.3





#27

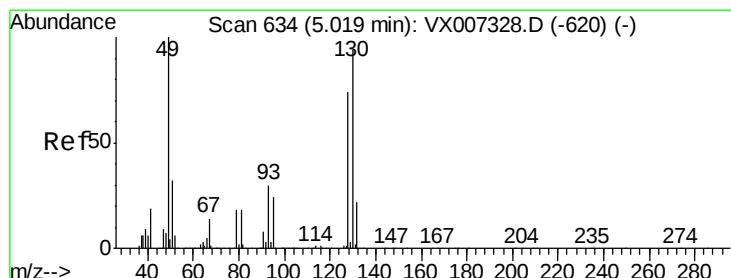
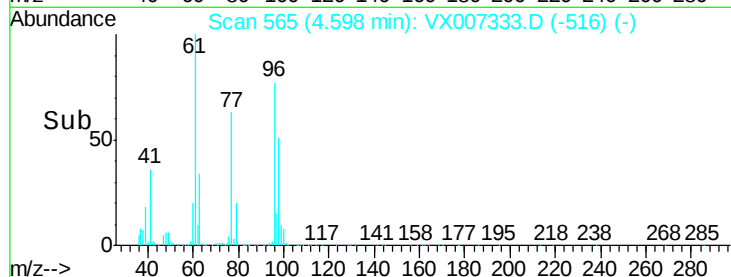
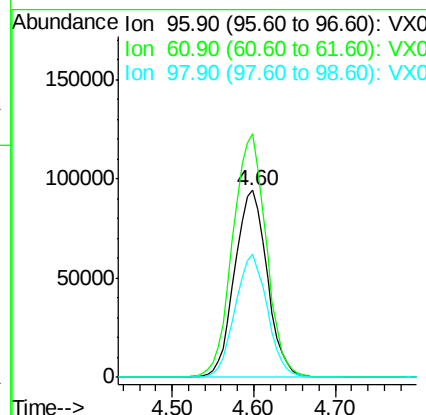
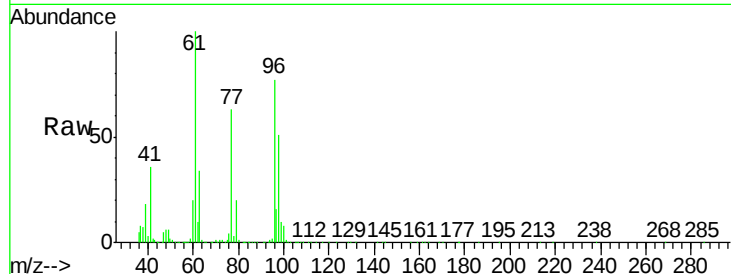
cis-1,2-Dichloroethene
Concen: 44.560 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007333.D
Acq: 01 Feb 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX020119

Tot Ion	Ratio	Resp	Lower	Upper
96	100	260981		
61	132.9		0.0	265.6
98	64.8		0.0	131.6

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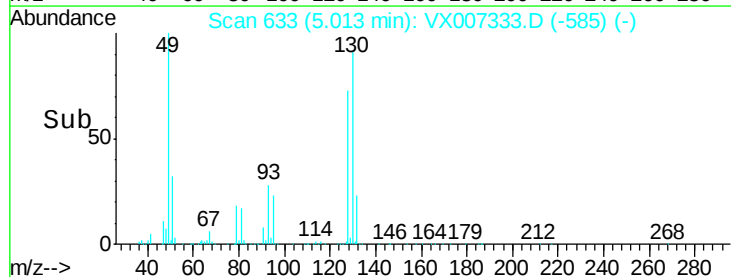
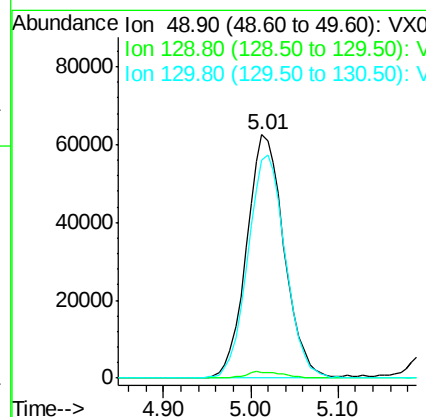
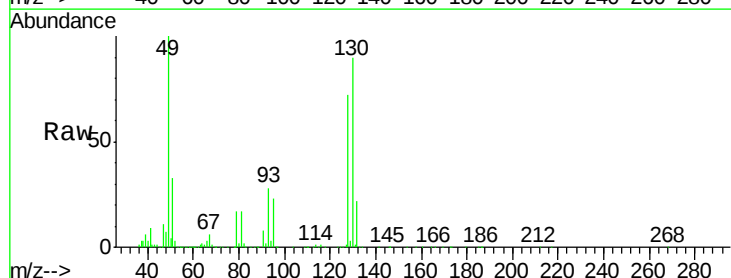
MMDadoda
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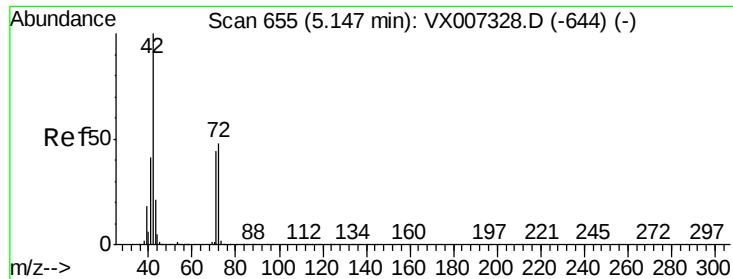


#28

Bromochloromethane
Concen: 46.614 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX007333.D
Acq: 01 Feb 2019 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	185723		
129	2.7		0.0	5.6
130	91.6		75.6	113.4





#29

Tetrahydrofuran

Concen: 247.150 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Instrument :

MSVOA_X

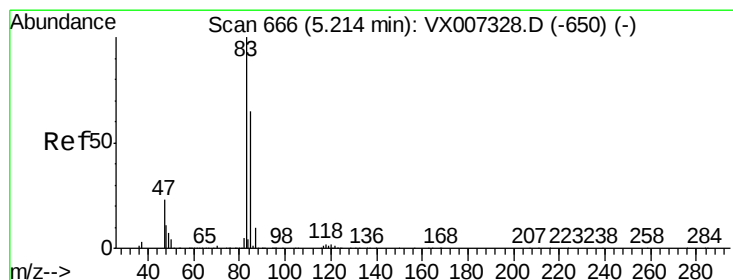
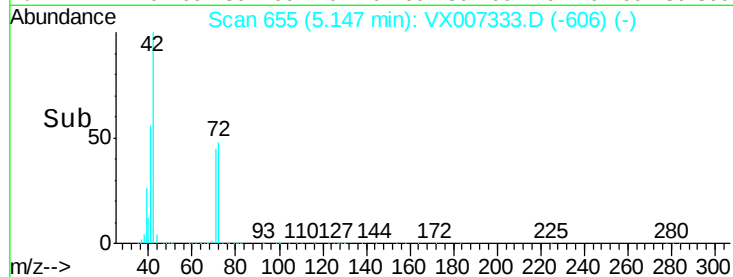
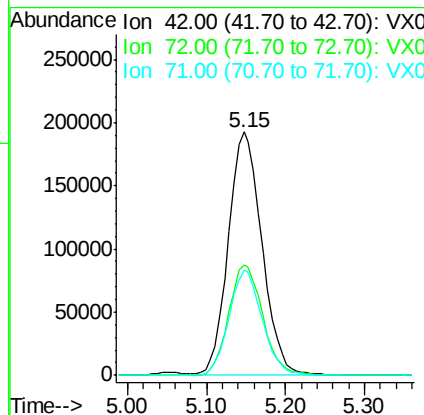
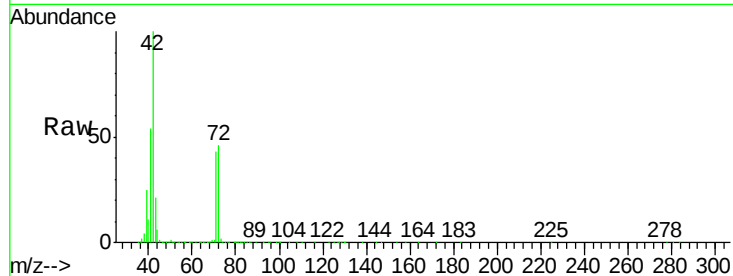
ClientSampleId :

ICVVX020119

Tot Ion:	42	Resp:	567032
Ion Ratio		Lower	Upper
42	100		
72	46.4	37.6	56.4
71	43.0	34.6	51.8

Manual Integrations
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#30

Chloroform

Concen: 46.162 ug/l

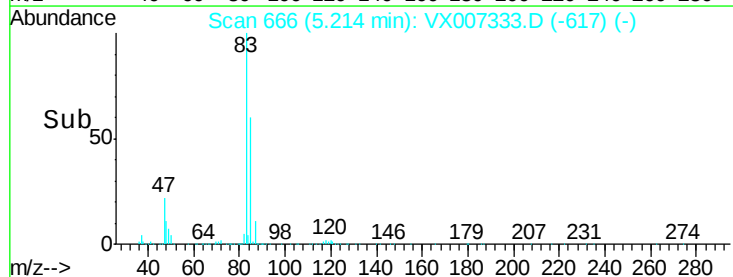
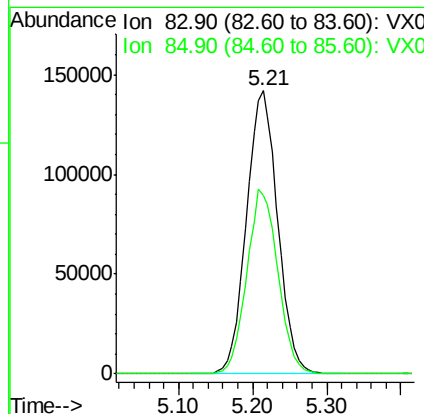
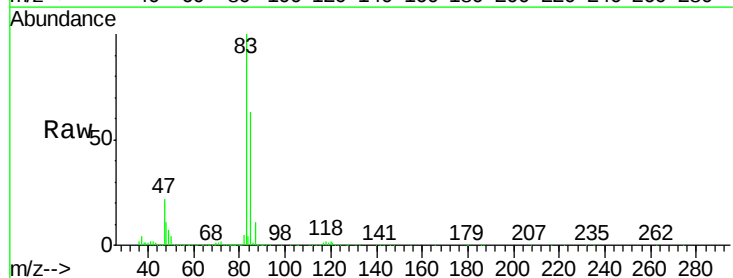
RT: 5.21 min Scan# 666

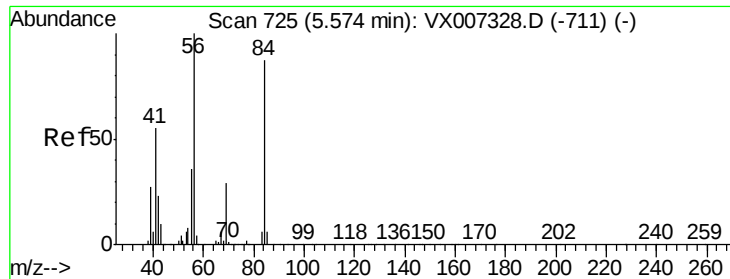
Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Tgt Ion:	83	Resp:	417342
Ion Ratio		Lower	Upper
83	100		
85	62.9	51.6	77.4





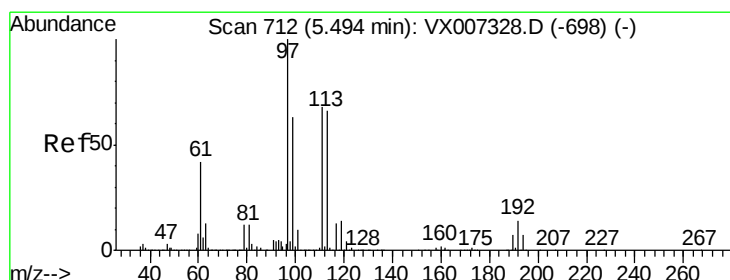
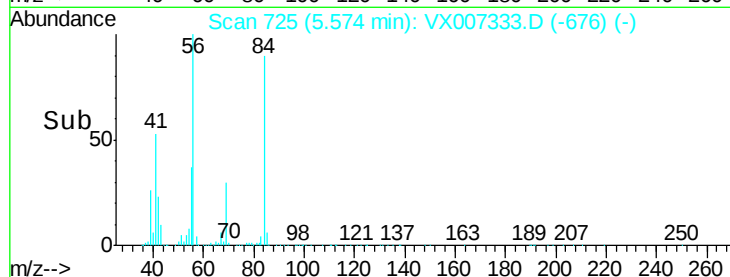
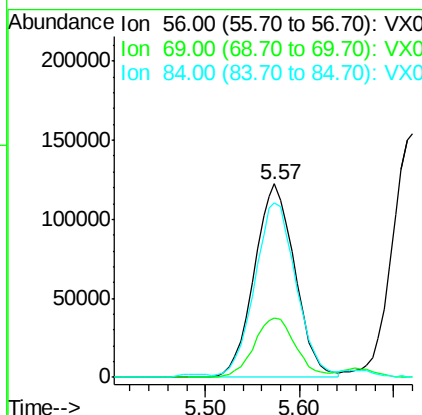
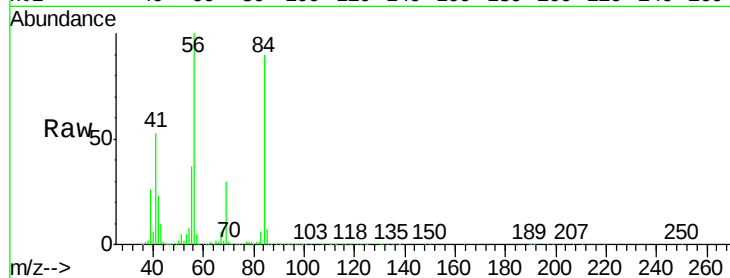
#31
Cyclohexane
Concen: 47.333 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007333.D
Acq: 01 Feb 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX020119

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	23.0	34.6
84	88.5	69.8	104.6

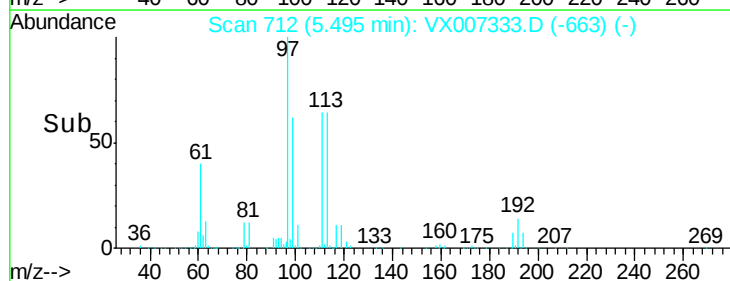
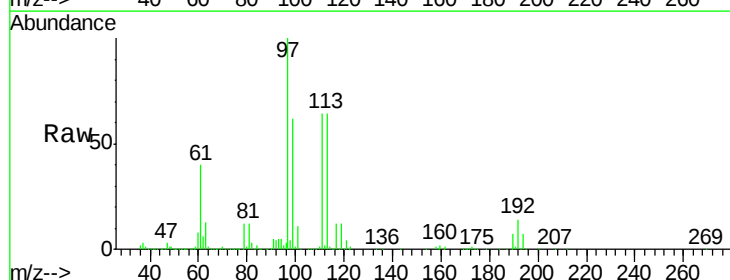
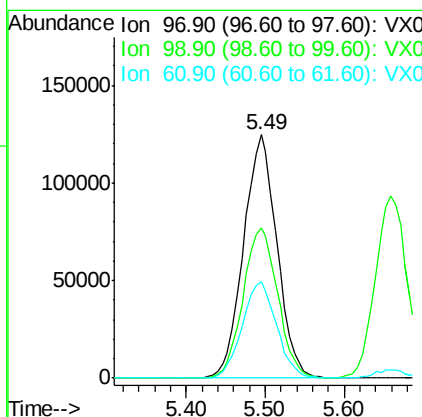
Manual Integrations
APPROVED

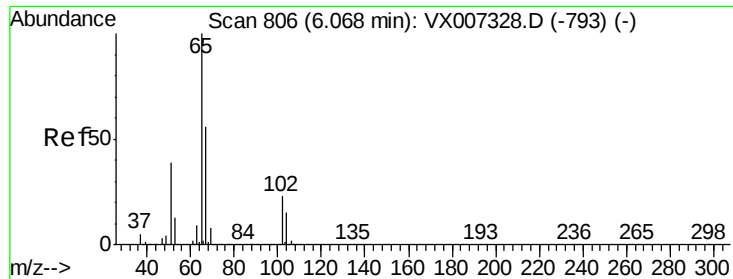
MMDadoda
2/4/2019 9:37:02 AM



#32
1,1,1-Trichloroethane
Concen: 48.032 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX007333.D
Acq: 01 Feb 2019 13:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.2	78.2
61	40.9	32.7	49.1





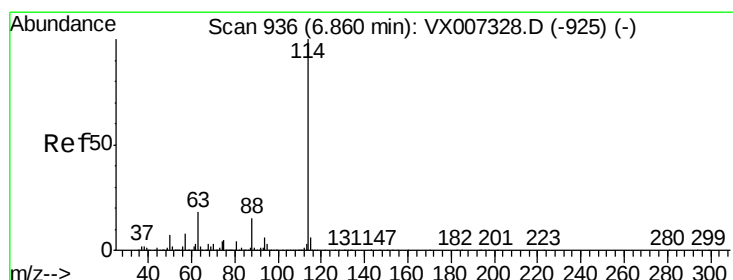
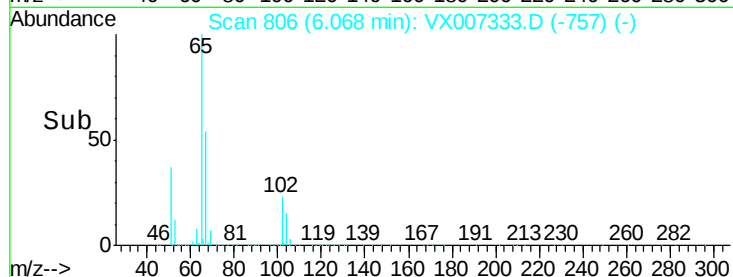
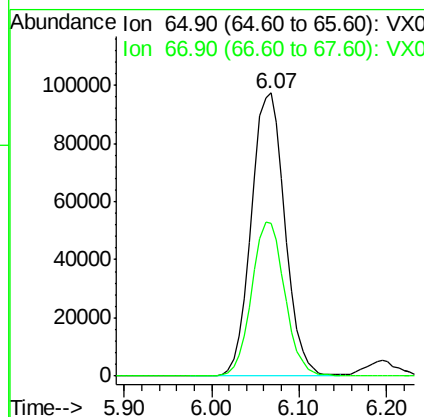
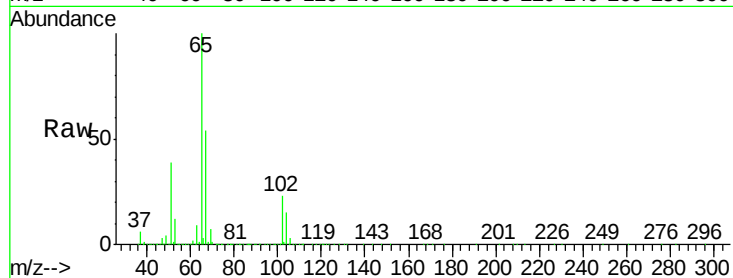
#33
 1,2-Dichloroethane-d4
 Concen: 46.588 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007333.D
 Acq: 01 Feb 2019 13:22

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX020119

Tot Ion	Ratio	Resp	Lower	Upper
65	100	260701		
67	53.8	0.0	108.8	

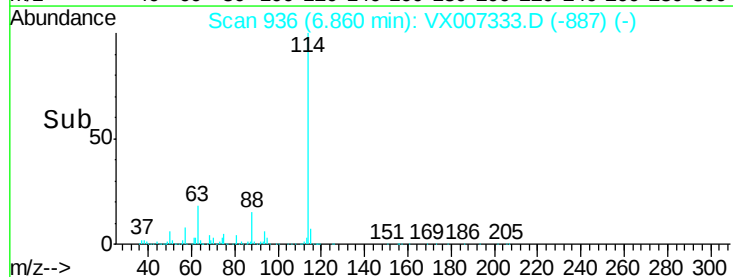
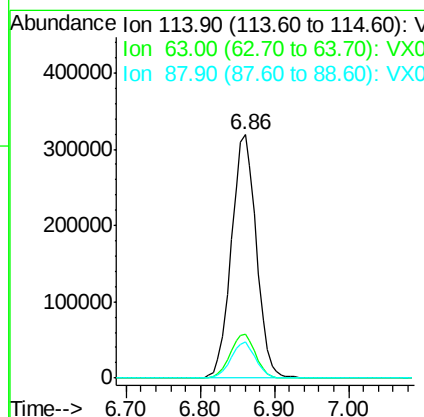
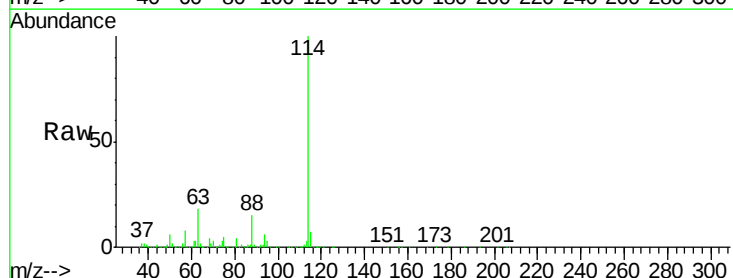
Manual Integrations
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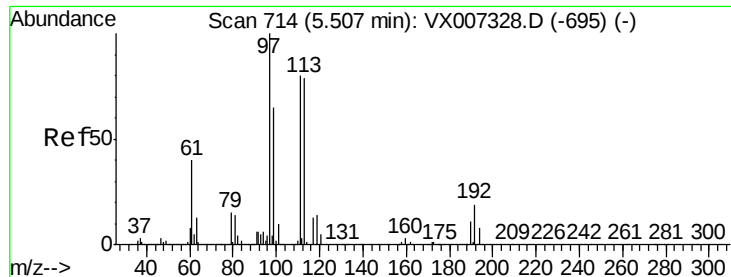
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007333.D
 Acq: 01 Feb 2019 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	749627		
63	18.2	0.0	35.6	
88	14.8	0.0	29.6	





#35

Dibromofluoromethane

Concen: 47.846 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Instrument :

MSVOA_X

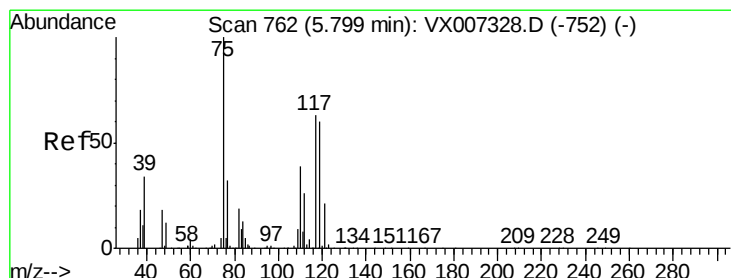
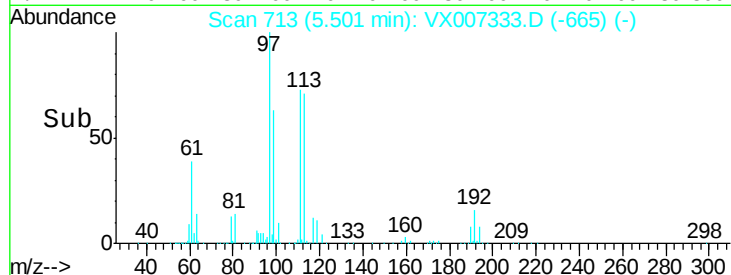
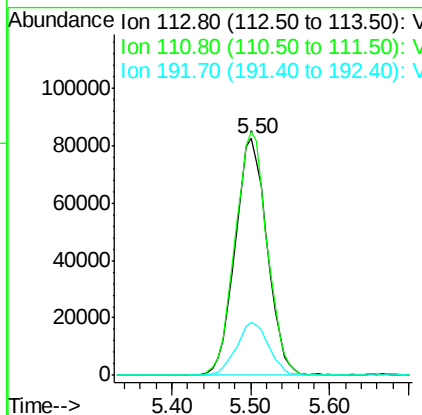
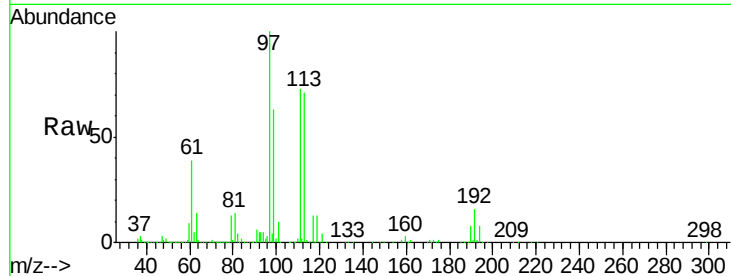
ClientSampleId :

ICVVX020119

Tot Ion:	113	Resp:	233370
Ion Ratio	Lower	Upper	
113	100		
111	102.8	81.8	122.8
192	22.6	18.5	27.7

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#36

1,1-Dichloropropene

Concen: 47.114 ug/l

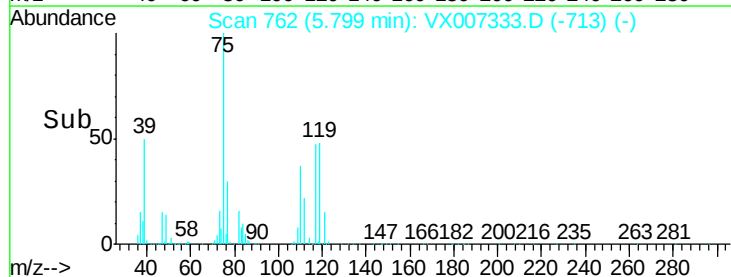
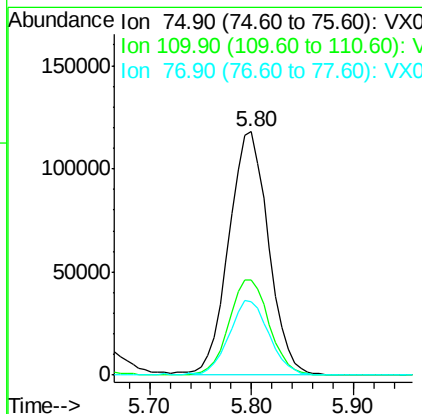
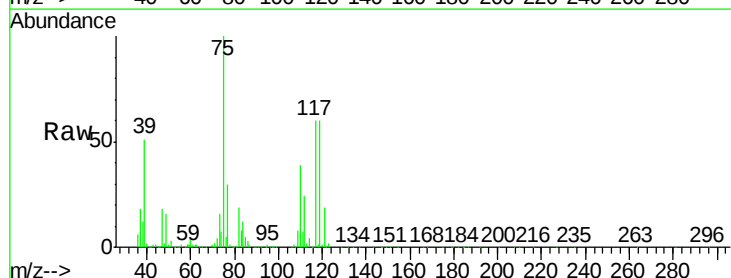
RT: 5.80 min Scan# 762

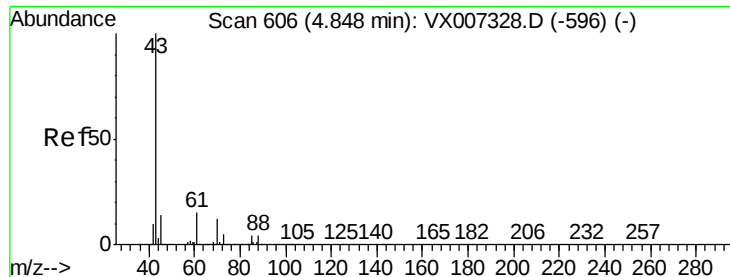
Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Tgt Ion:	75	Resp:	316888
Ion Ratio	Lower	Upper	
75	100		
110	39.9	20.0	59.9
77	30.4	24.7	37.1





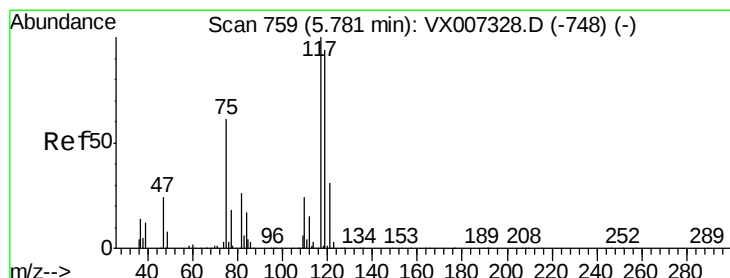
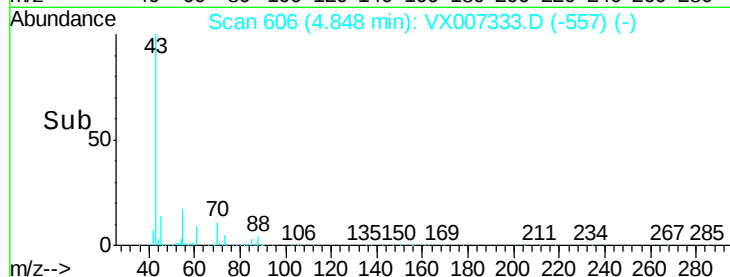
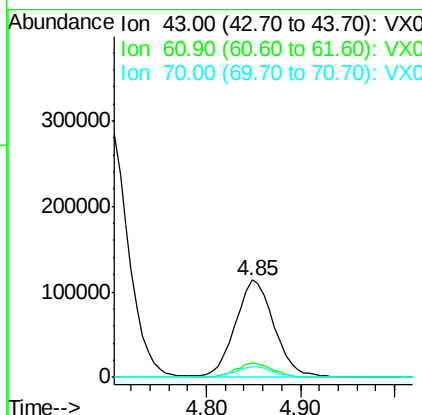
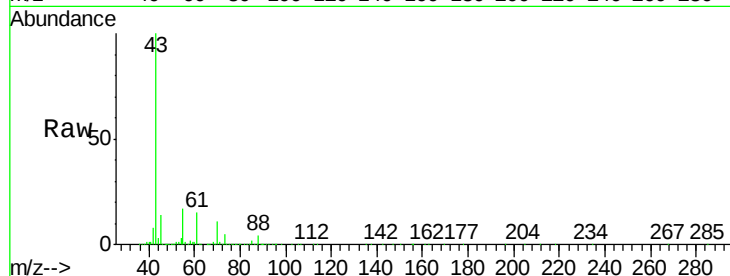
#37
Ethyl Acetate
Concen: 47.555 ug/l
RT: 4.85 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX007333.D
Acq: 01 Feb 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX020119

Tot Ion:	43	Resp:	323328
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.3	16.9
70	10.8	8.6	13.0

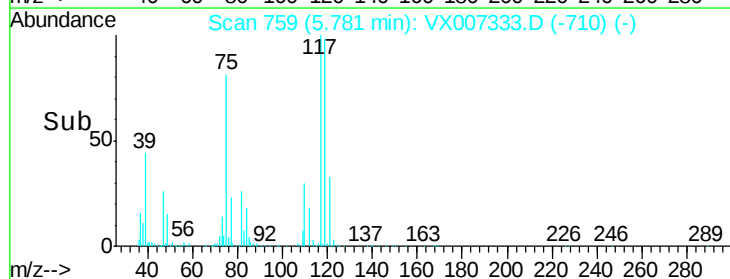
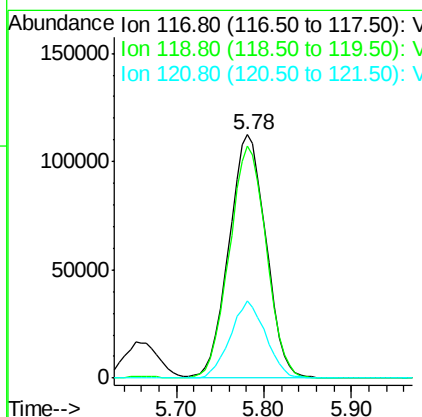
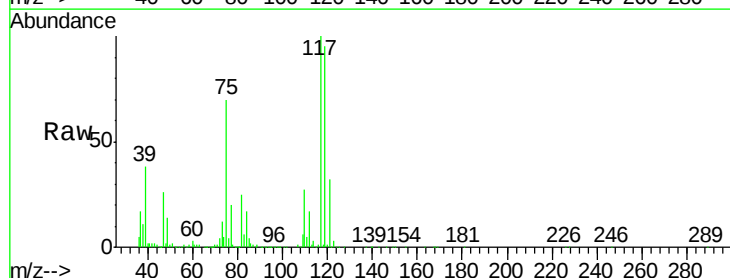
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 50.520 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007333.D
Acq: 01 Feb 2019 13:22

Tgt Ion:	117	Resp:	329655
Ion	Ratio	Lower	Upper
117	100		
119	95.3	75.3	112.9
121	31.7	25.0	37.4





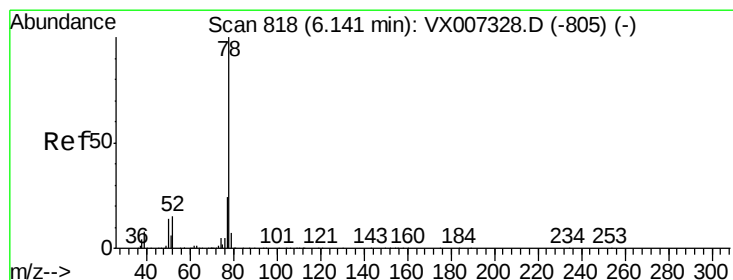
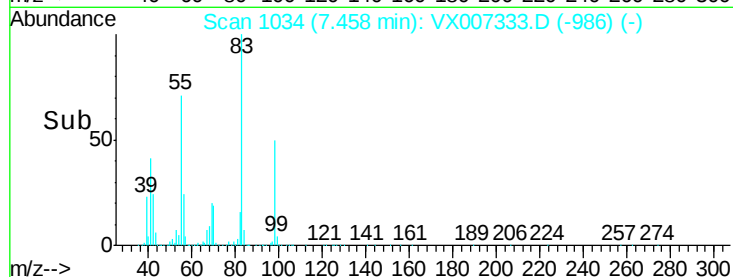
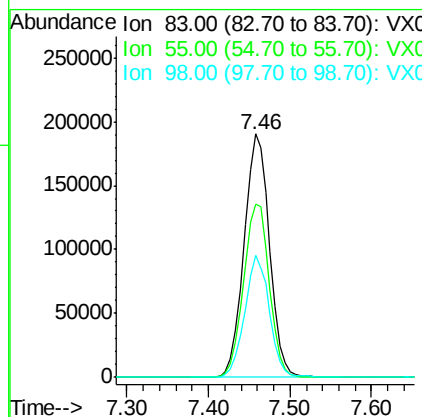
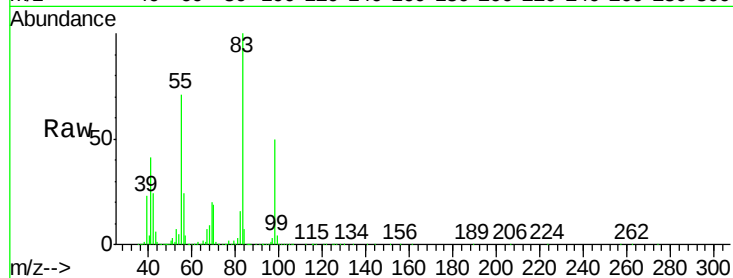
#39
Methvlcvclohexane
Concen: 50.450 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007333.D
Acq: 01 Feb 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX020119

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.1	56.2	84.2
98	50.0	36.8	55.2

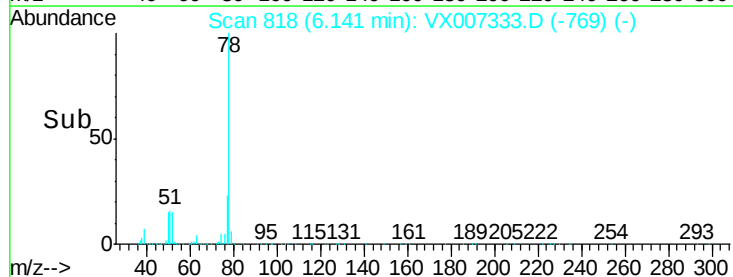
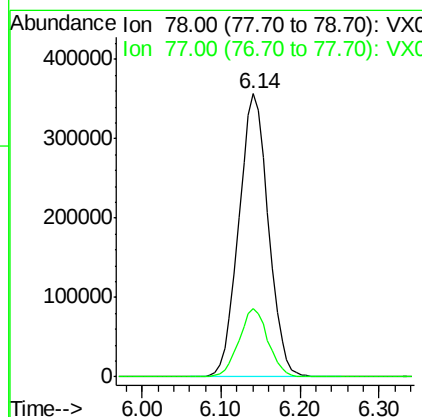
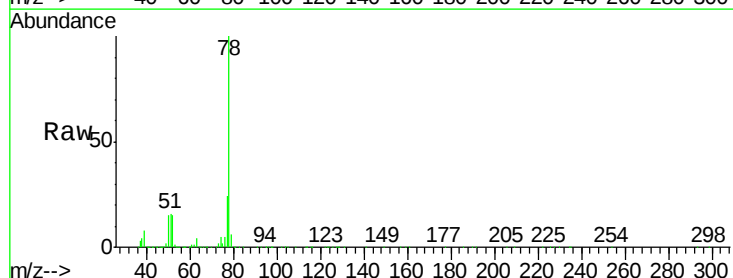
Manual Integrations
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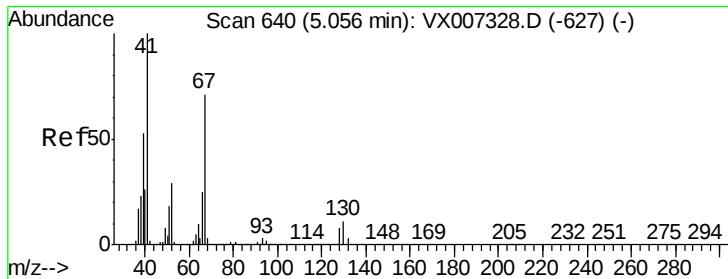
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#40
Benzene
Concen: 47.015 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007333.D
Acq: 01 Feb 2019 13:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9





#41

Methacrylonitrile

Concen: 49.066 ug/l

RT: 5.06 min Scan# 640

Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Instrument :

MSVOA_X

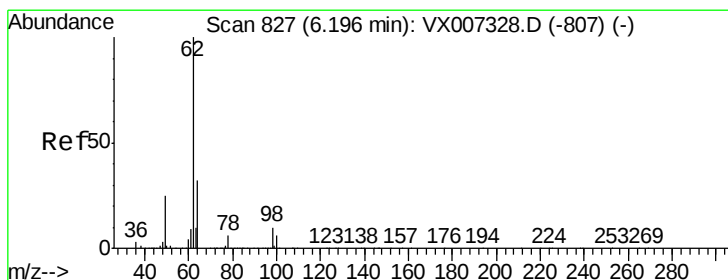
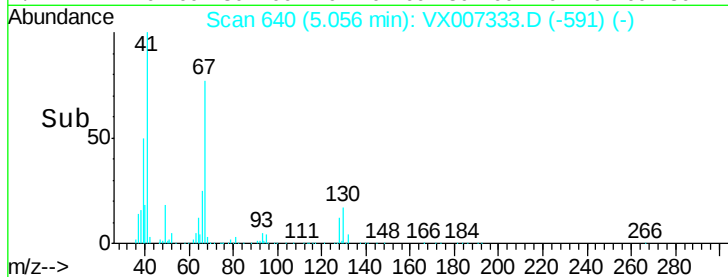
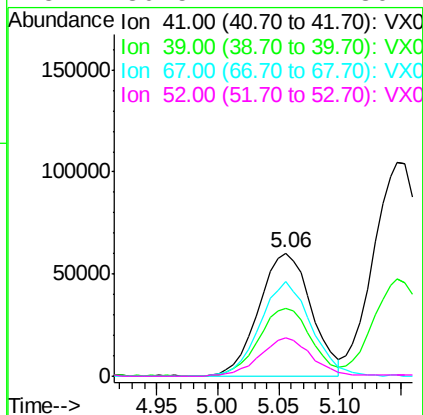
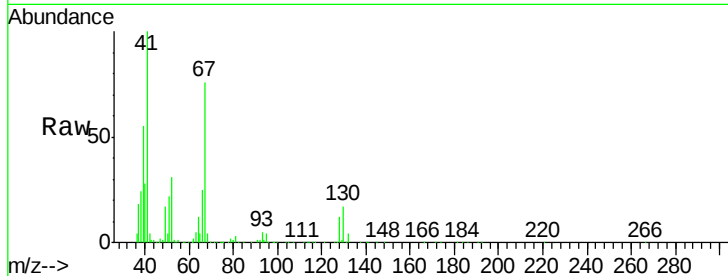
ClientSampleId :

ICVVX020119

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		178794		
39	55.2	44.5	66.7		
67	75.2	60.4	90.6		
52	30.5	24.1	36.1		

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 46.551 ug/l

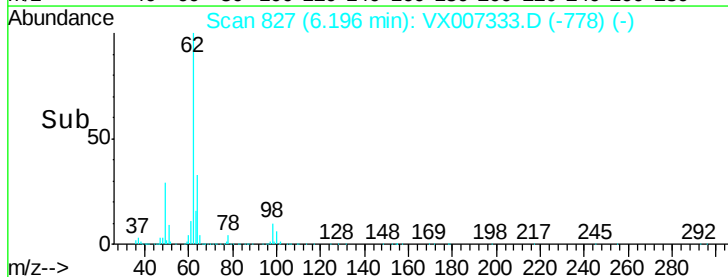
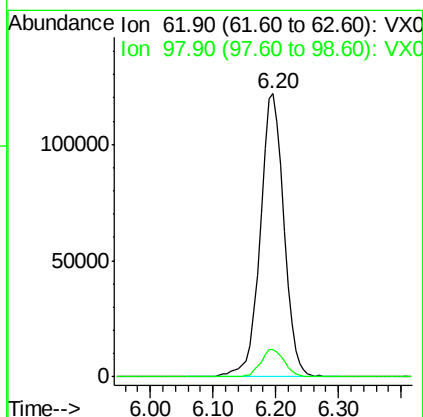
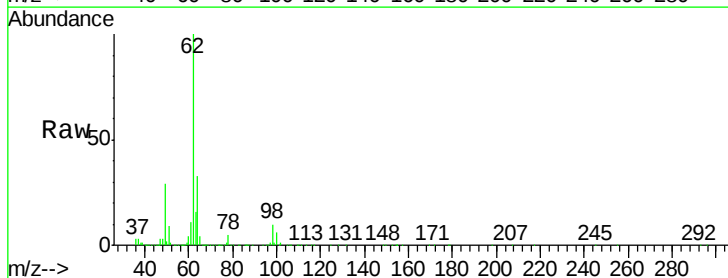
RT: 6.20 min Scan# 827

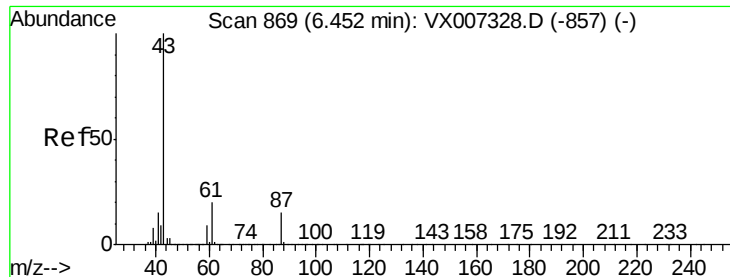
Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		319113		
98	9.7	0.0	19.0		





#43

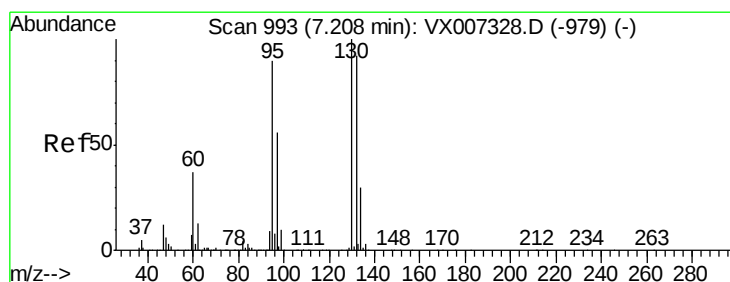
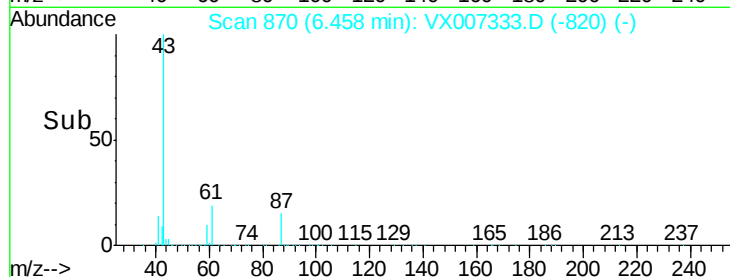
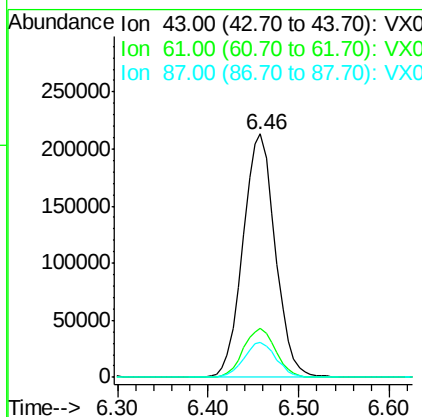
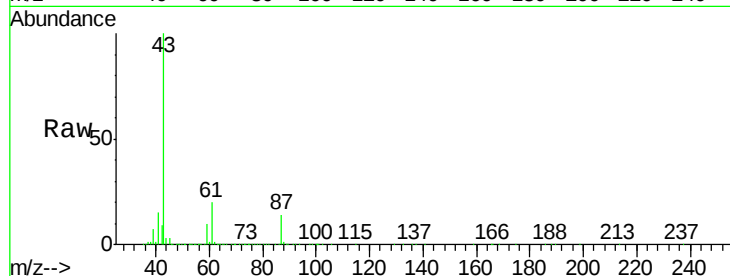
Isopropyl Acetate
 Concen: 49.904 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.01 min
 Lab File: VX007333.D
 Acq: 01 Feb 2019 13:22

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX020119

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.1	24.1
87	14.6	11.5	17.3

Manual Integrations
 APPROVED

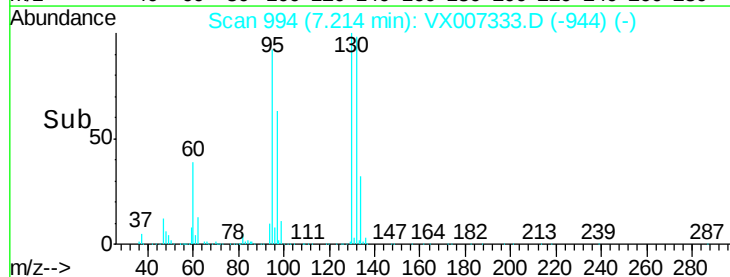
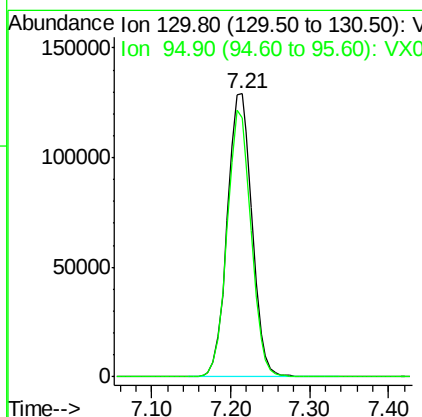
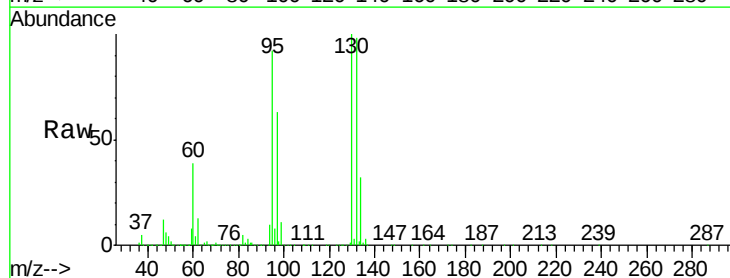
MMDadoda
 2/4/2019 9:37:02 AM

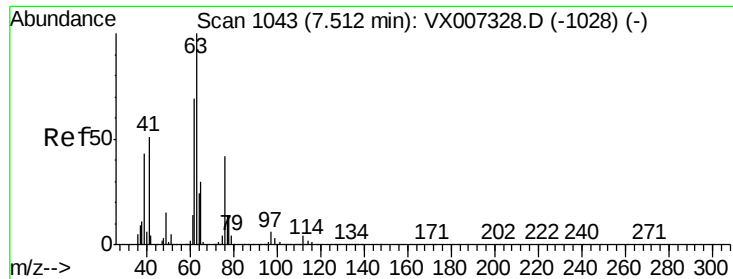


#44

Trichloroethene
 Concen: 47.234 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX007333.D
 Acq: 01 Feb 2019 13:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.7	0.0	180.0





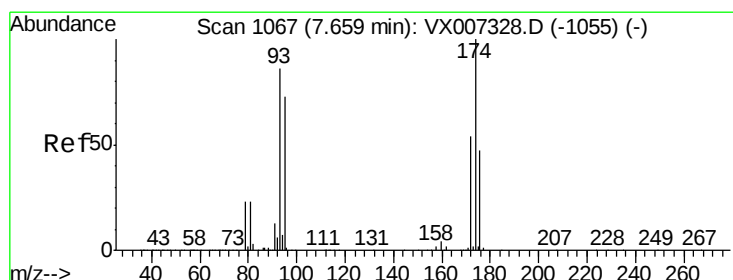
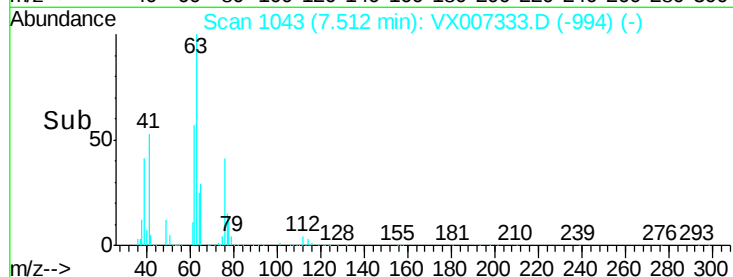
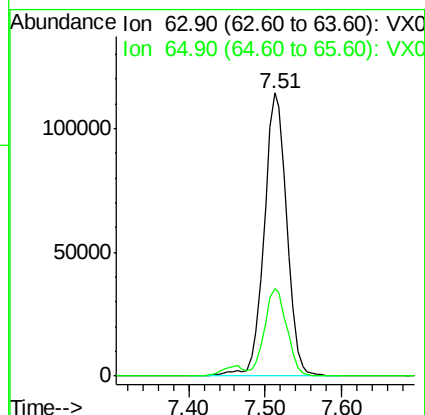
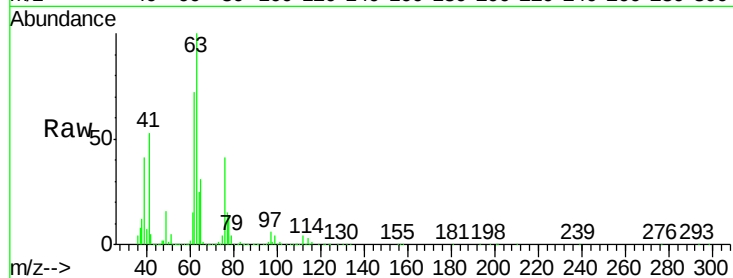
#45
 1,2-Dichloropropane
 Concen: 47.641 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX007333.D
 Acq: 01 Feb 2019 13:22

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX020119

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.2	36.2

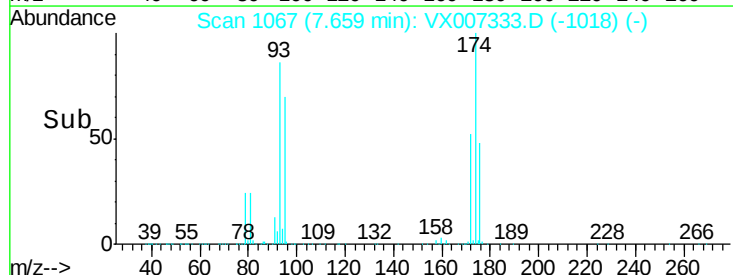
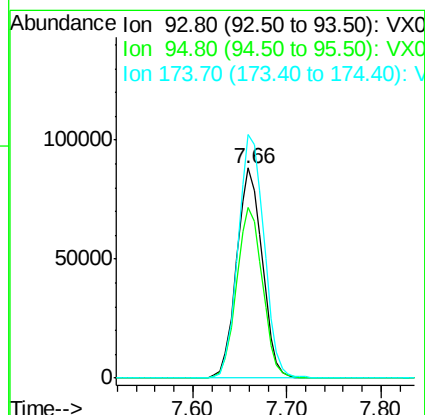
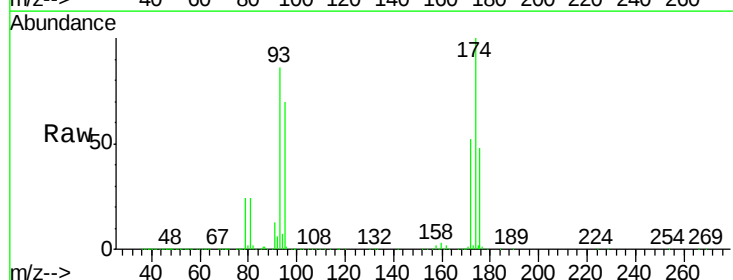
Manual Integrations
 APPROVED

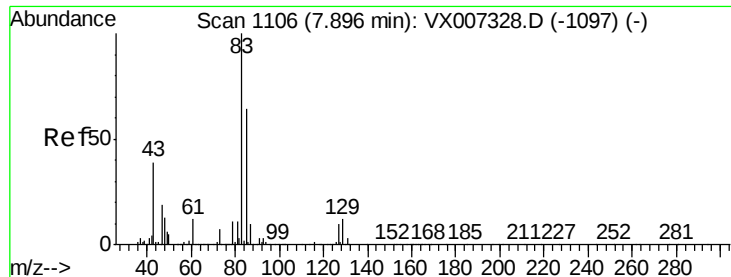
MMDadoda
 2/4/2019 9:37:02 AM



#46
 Dibromomethane
 Concen: 46.408 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX007333.D
 Acq: 01 Feb 2019 13:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	67.6	101.4
174	117.8	94.2	141.4





#47

Bromodichloromethane

Concen: 48.984 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Instrument :

MSVOA_X

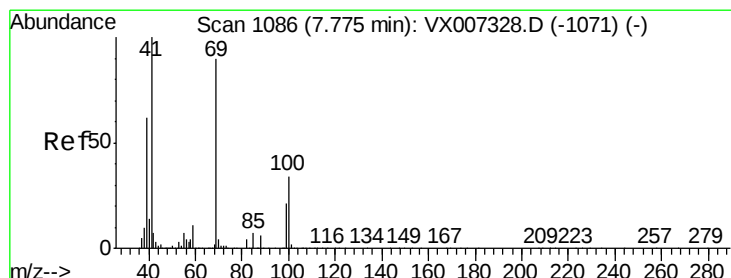
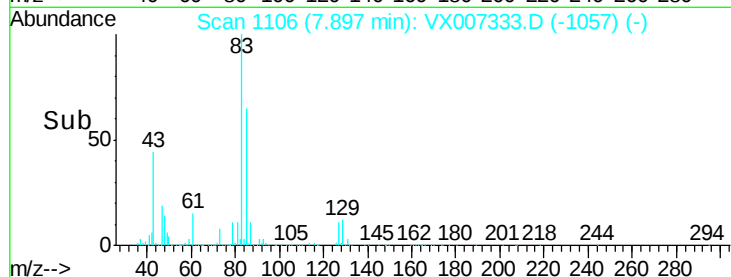
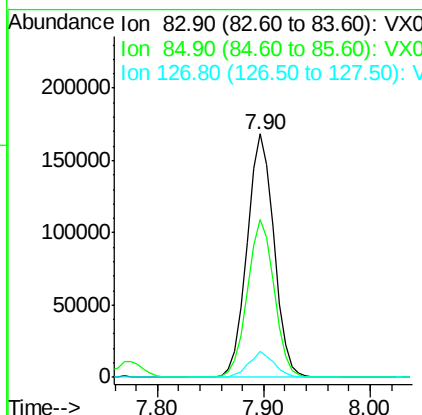
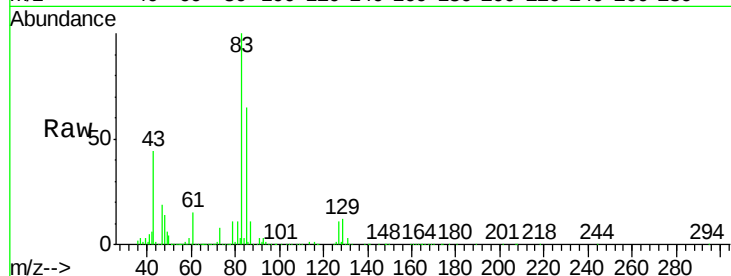
ClientSampleId :

ICVVX020119

Tot Ion:	83	Resp:	299520
Ion Ratio	Lower	Upper	
83	100		
85	64.5	51.4	77.0
127	10.6	8.1	12.1

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:37:02 AM



#48

Methyl methacrylate

Concen: 51.206 ug/l

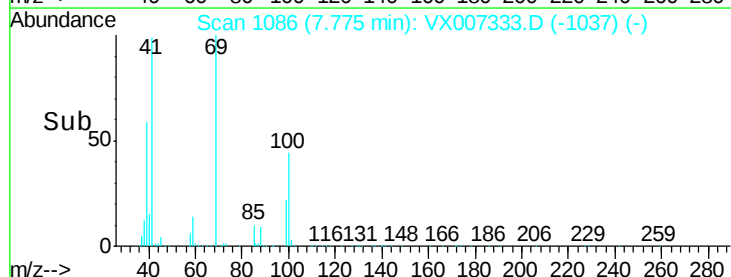
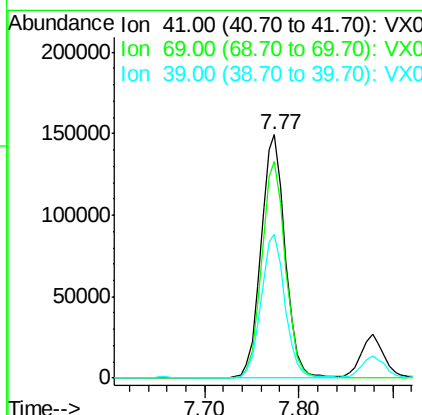
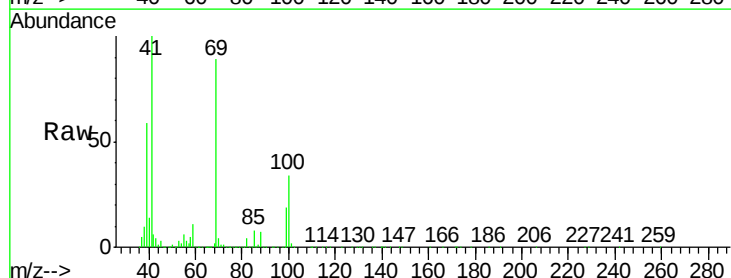
RT: 7.77 min Scan# 1086

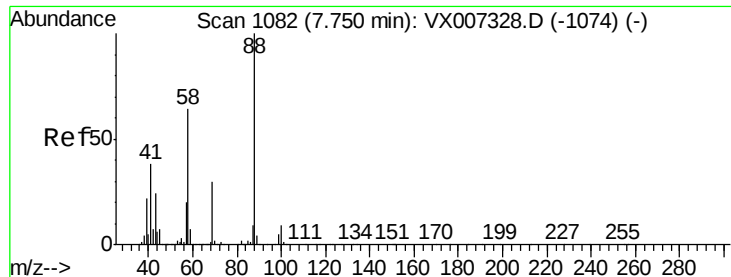
Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Tgt Ion:	41	Resp:	268797
Ion Ratio	Lower	Upper	
41	100		
69	88.2	70.2	105.4
39	58.4	47.4	71.0





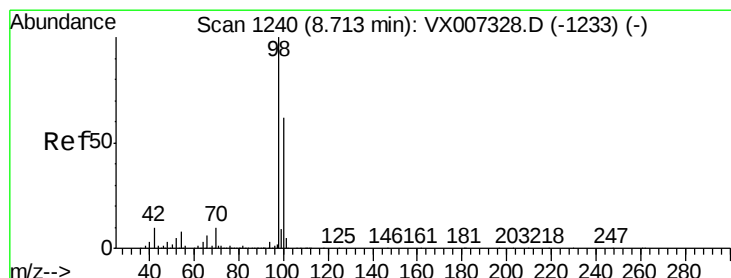
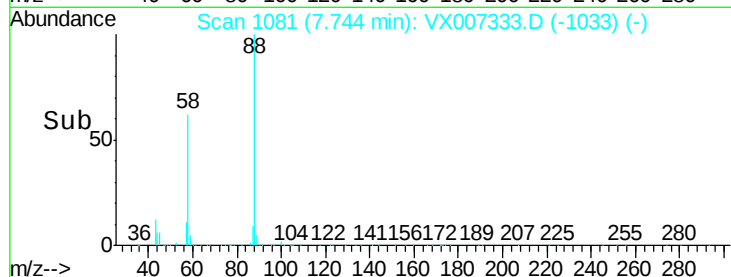
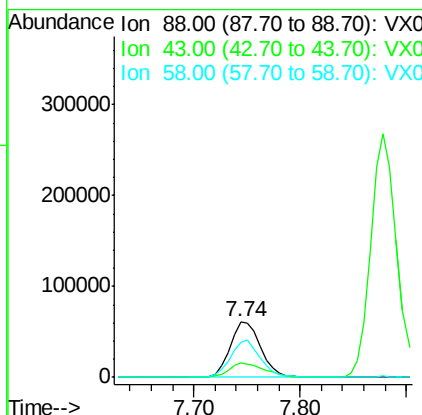
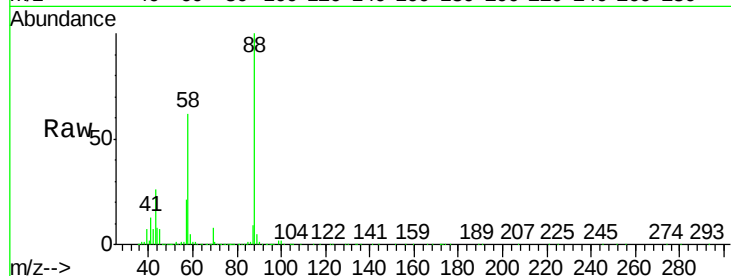
#49
1,4-Dioxane
Concen: 1027.087 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VX007333.D
Acq: 01 Feb 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX020119

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.8	24.2	36.4
58	65.9	53.0	79.4

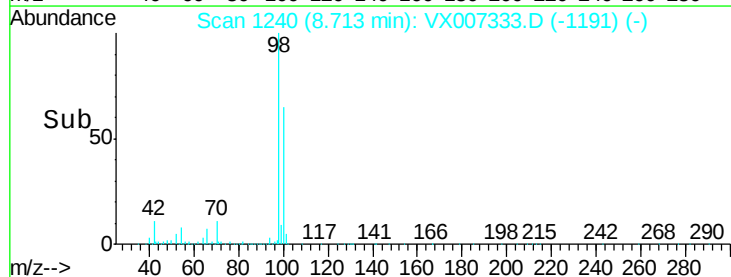
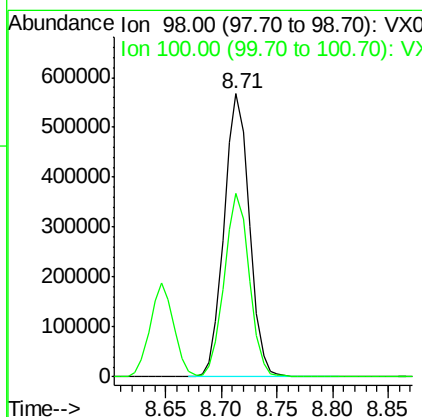
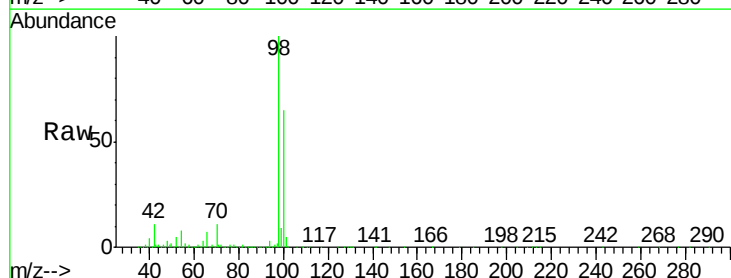
Manual Integrations
APPROVED

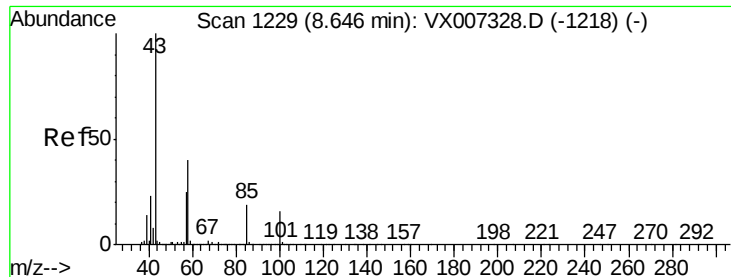
MMDadoda
2/4/2019 9:37:02 AM



#50
Toluene-d8
Concen: 49.454 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007333.D
Acq: 01 Feb 2019 13:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 251.837 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX020119

Tot Ion: 43 Resp: 1739834

Ion Ratio Lower Upper

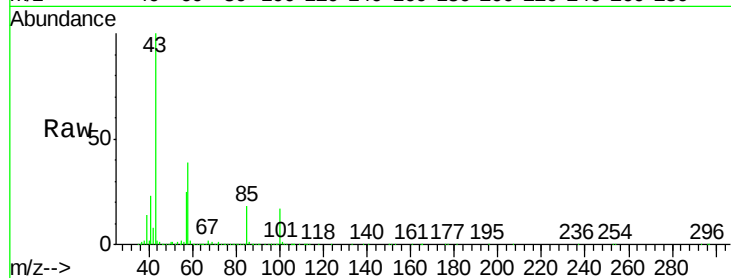
43 100

58 39.4 31.2 46.8

Manual Integrations
APPROVED

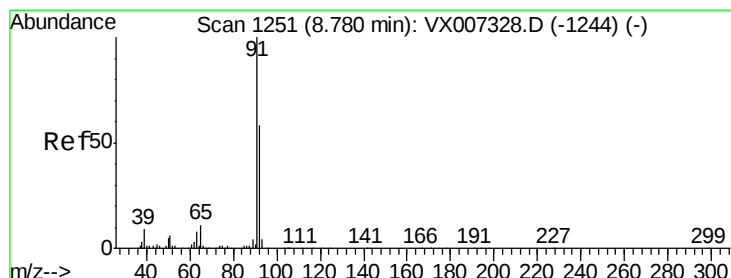
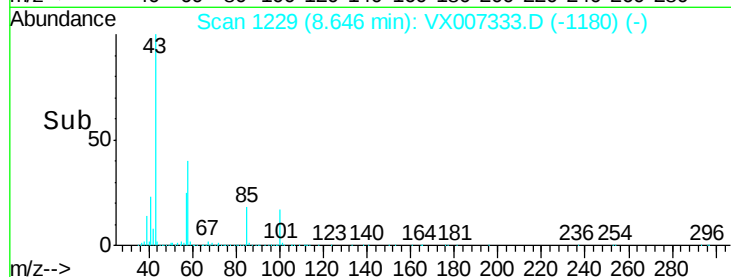
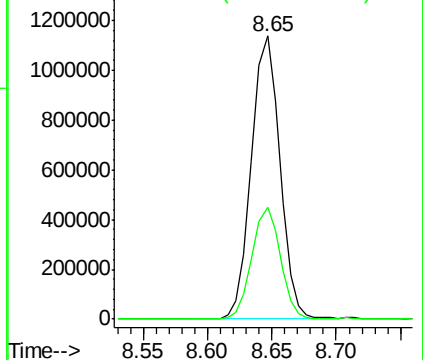
MMDadoda

2/4/2019 9:37:02 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 48.077 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX007333.D

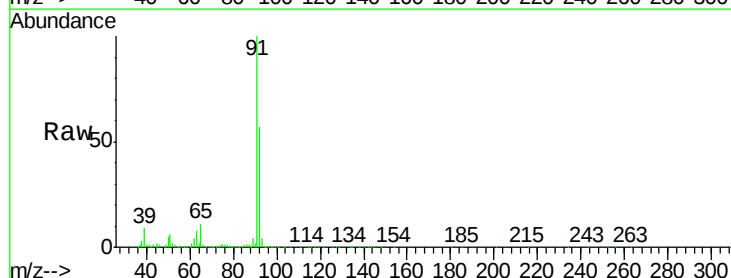
Acq: 01 Feb 2019 13:22

Tgt Ion: 92 Resp: 614558

Ion Ratio Lower Upper

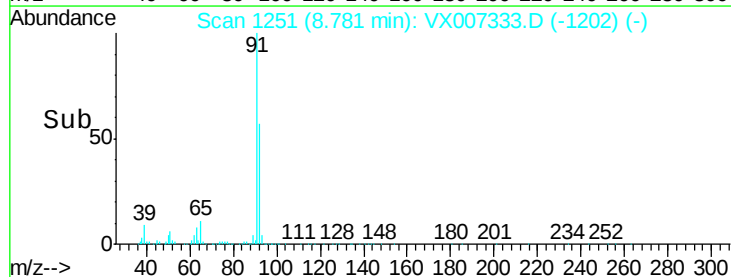
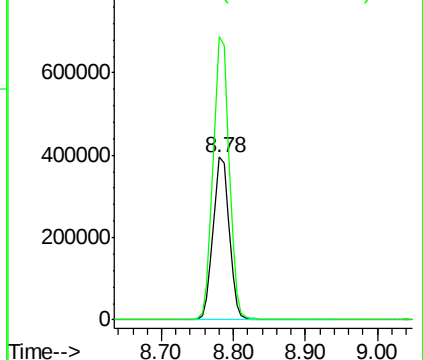
92 100

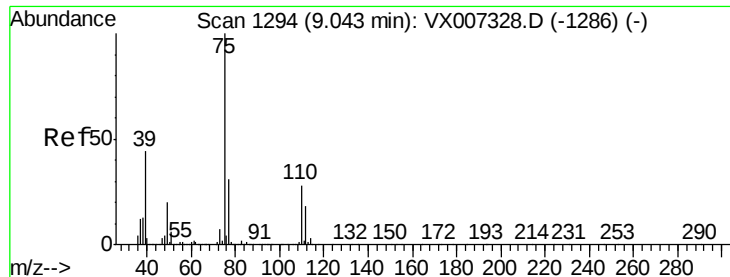
91 174.0 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 51.983 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX020119

Tot Ion: 75 Resp: 341425

Ion Ratio Lower Upper

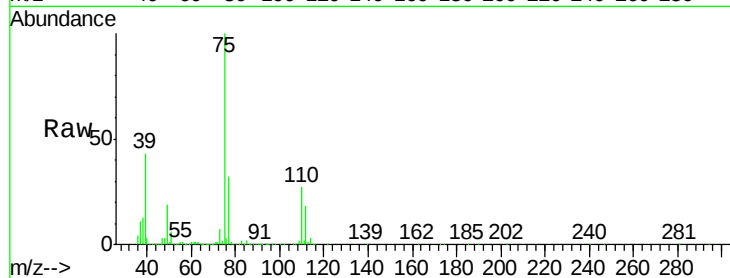
75 100

77 31.6 25.2 37.8

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MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

250000

200000

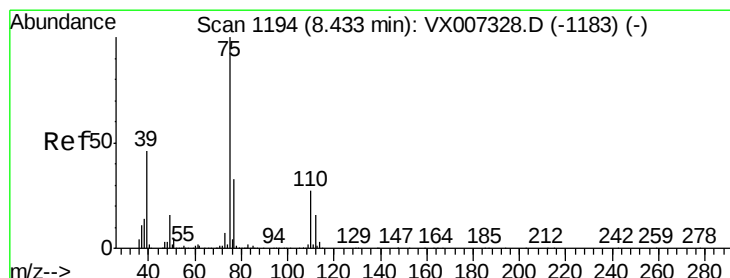
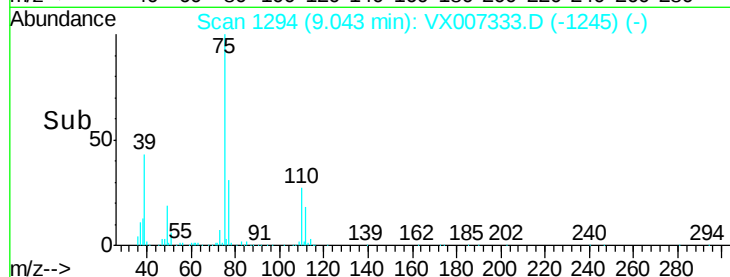
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.473 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

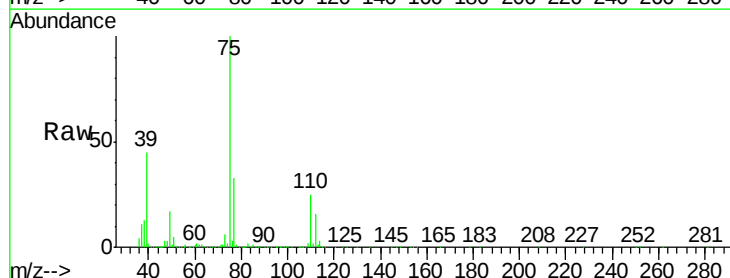
Tgt Ion: 75 Resp: 371785

Ion Ratio Lower Upper

75 100

77 32.6 26.2 39.4

39 44.9 37.1 55.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

300000

250000

200000

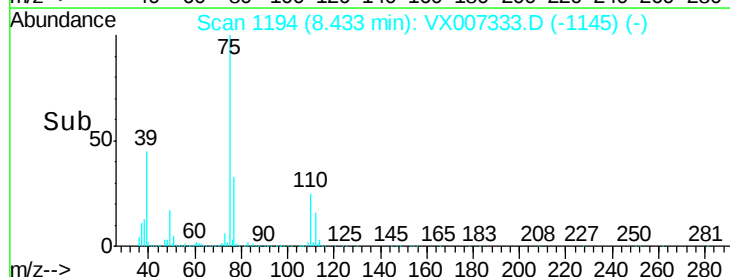
150000

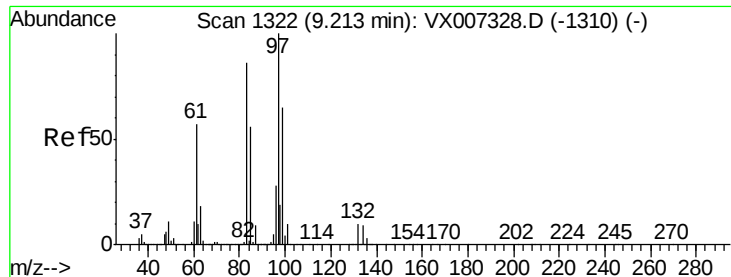
100000

50000

0

Time-->





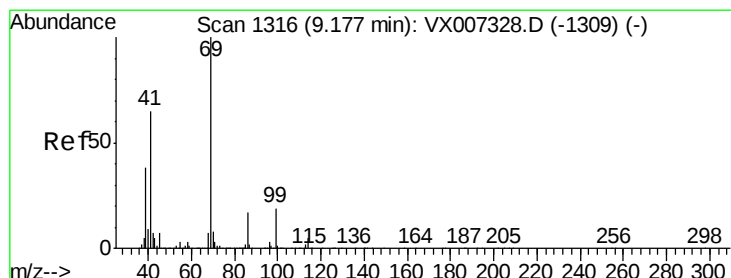
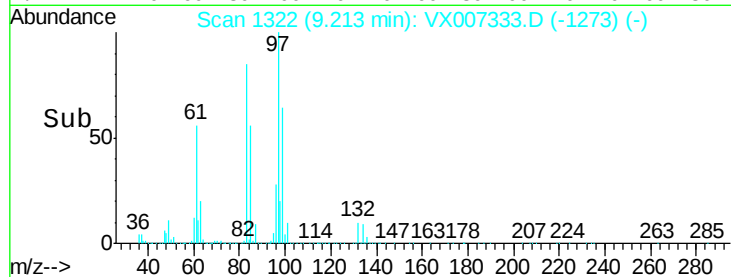
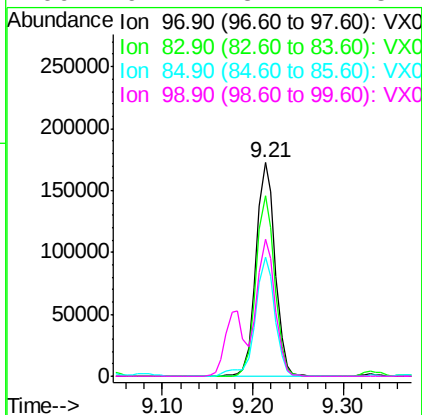
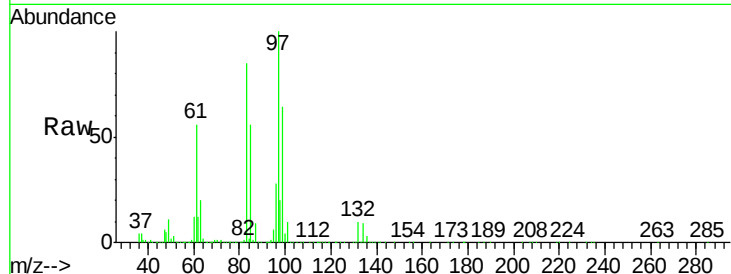
#55
 1,1,2-Trichloroethane
 Concen: 47.358 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007333.D
 Acq: 01 Feb 2019 13:22

Instrument :
 MSVOA_X
 ClientSampled :
 ICVVX020119

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		252345		
83	84.7	68.6	102.8		
85	55.9	44.5	66.7		
99	64.4	52.2	78.4		

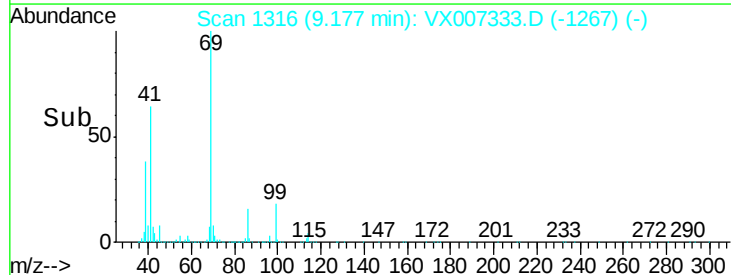
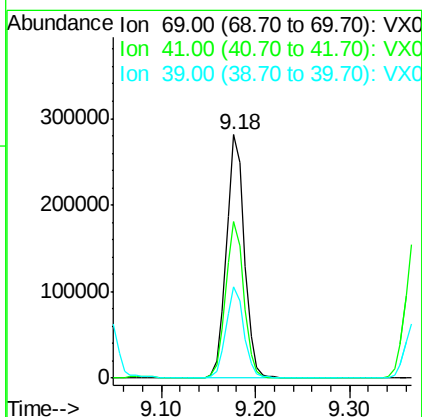
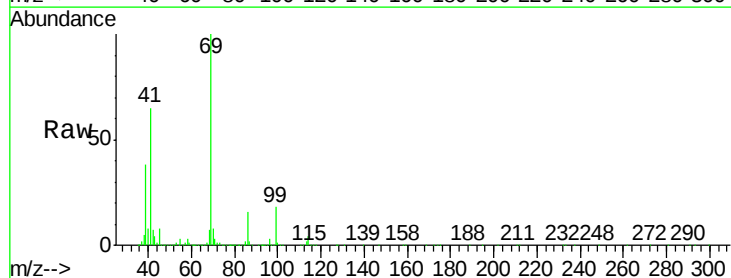
Manual Integrations
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 2/4/2019 9:37:02 AM



#56
 Ethyl methacrylate
 Concen: 50.501 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007333.D
 Acq: 01 Feb 2019 13:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		372693		
41	64.9	52.1	78.1		
39	37.2	30.1	45.1		





#57

1,3-Dichloropropane

Concen: 46.931 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX020119

Tot Ion: 76 Resp: 397686

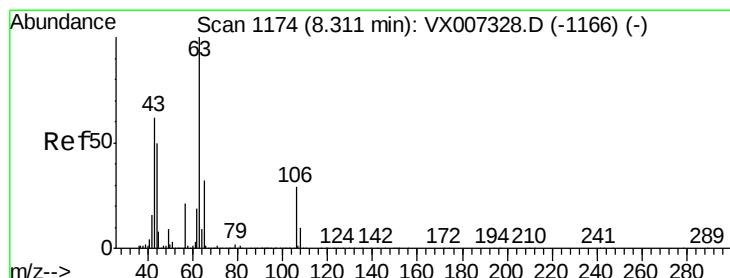
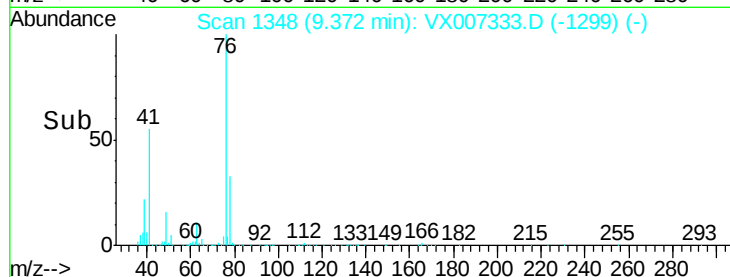
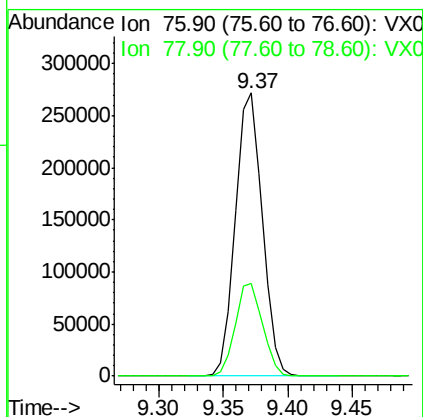
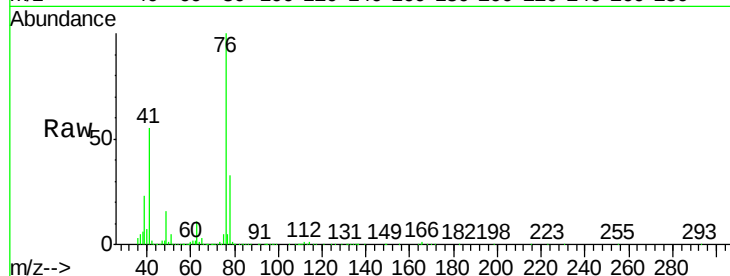
Ion Ratio Lower Upper

76 100

78 33.1 25.8 38.8

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:37:02 AM



#58

2-Chloroethyl Vinyl ether

Concen: 252.519 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007333.D

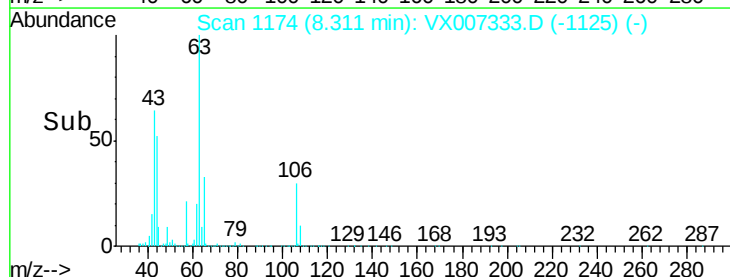
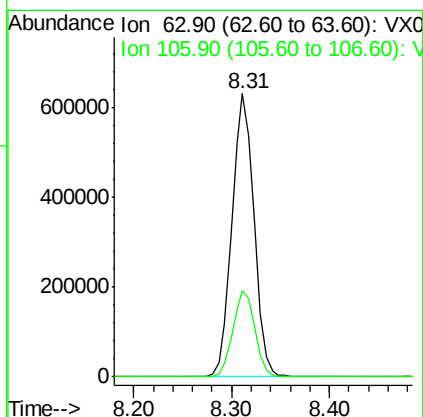
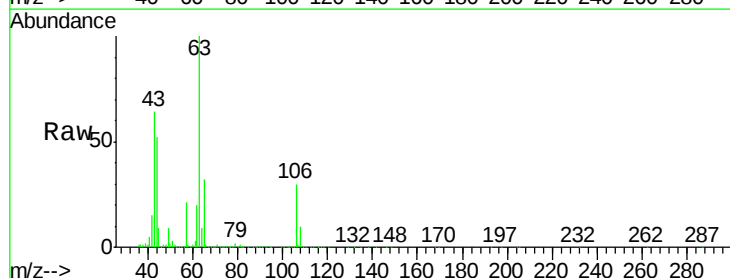
Acq: 01 Feb 2019 13:22

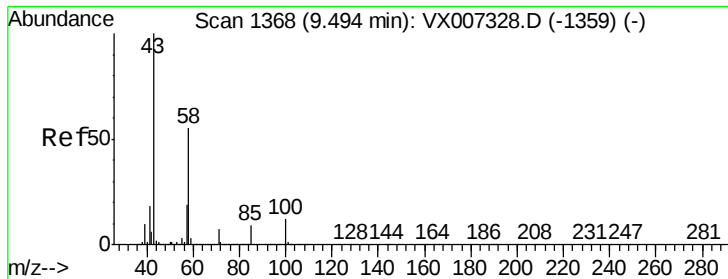
Tgt Ion: 63 Resp: 982263

Ion Ratio Lower Upper

63 100

106 30.3 23.6 35.4





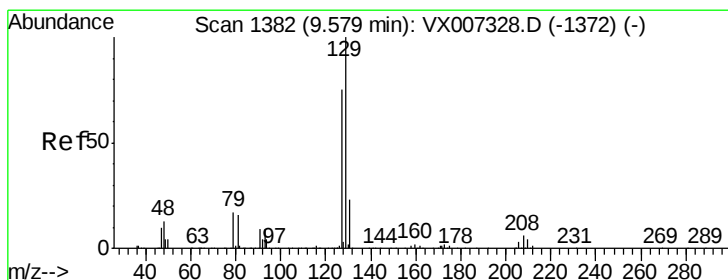
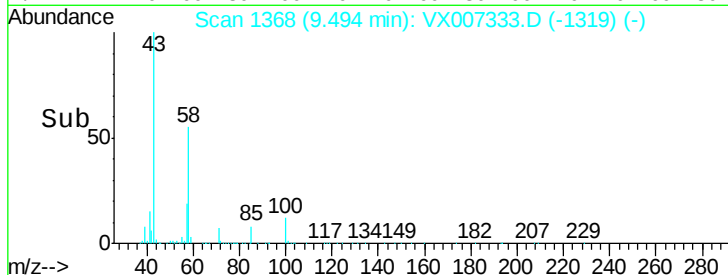
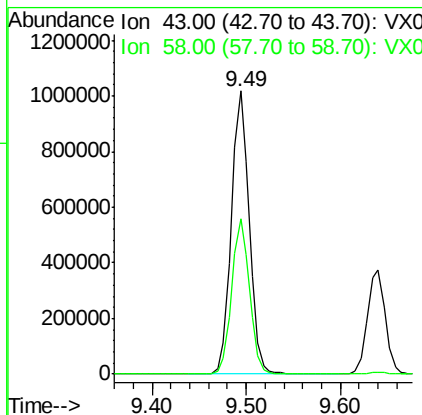
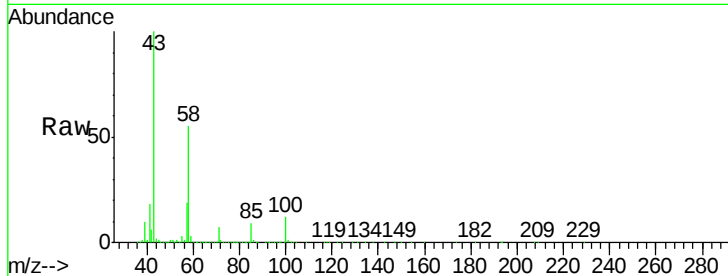
#59
2-Hexanone
Concen: 249.271 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007333.D
Acq: 01 Feb 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX020119

Tot Ion: 43 Resp: 1340087
Ion Ratio Lower Upper
43 100
58 54.8 27.1 81.3

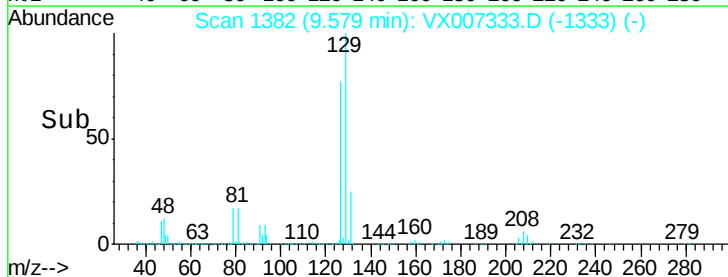
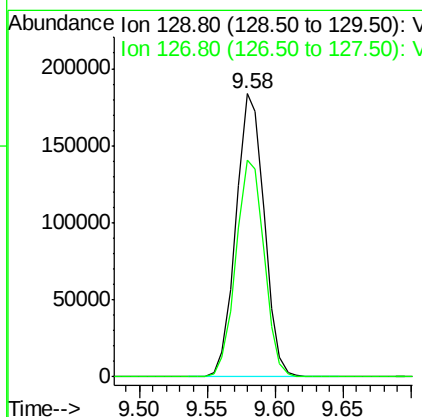
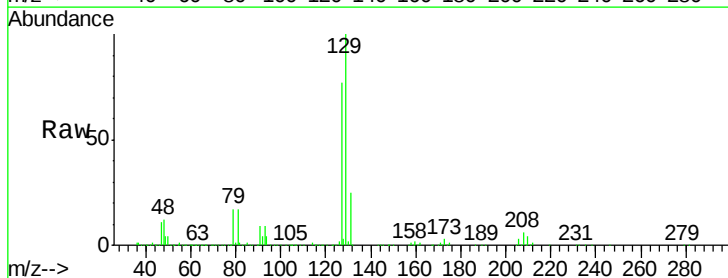
Manual Integrations
APPROVED

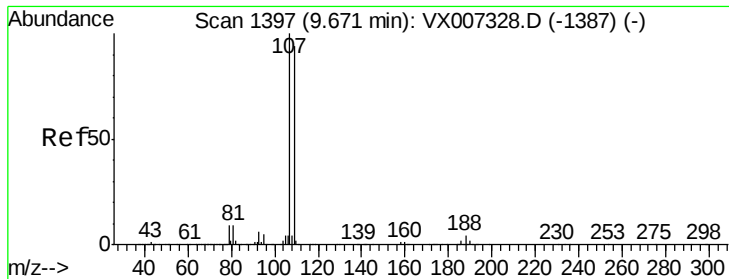
MMDadoda
2/4/2019 9:37:02 AM



#60
Dibromochloromethane
Concen: 52.694 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX007333.D
Acq: 01 Feb 2019 13:22

Tgt Ion: 129 Resp: 265548
Ion Ratio Lower Upper
129 100
127 76.8 37.8 113.4





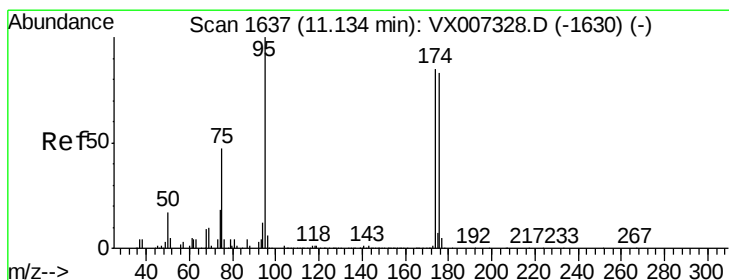
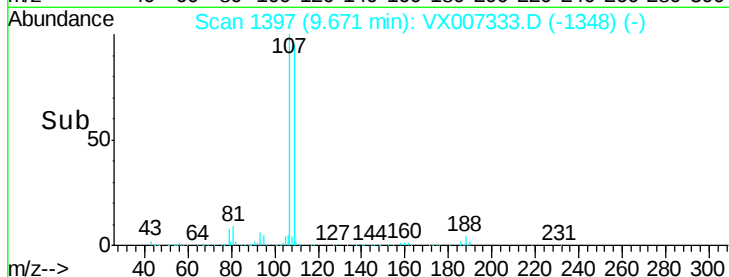
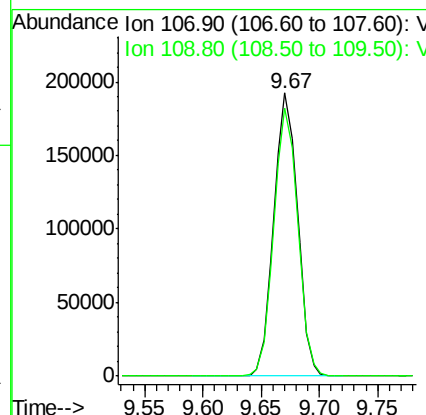
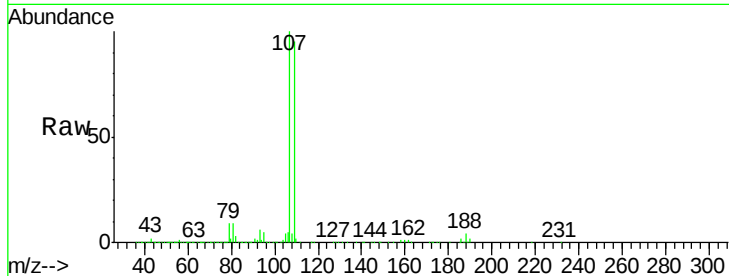
#61
 1,2-Dibromoethane
 Concen: 48.180 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX007333.D
 Acq: 01 Feb 2019 13:22

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX020119

Tot Ion	Ratio	Resp	Lower	Upper
107	100	271872		
109	95.7	75.1	112.7	

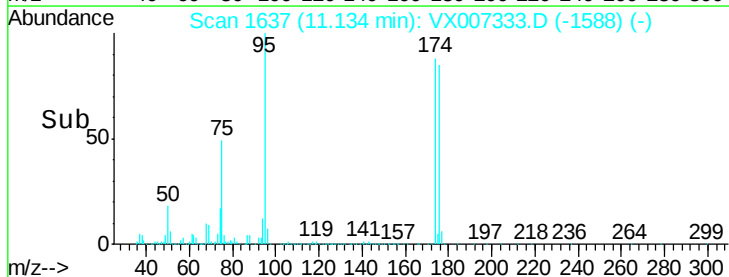
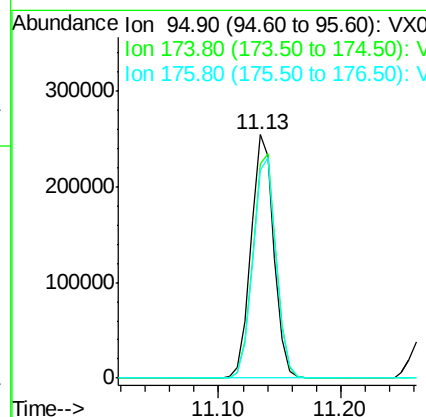
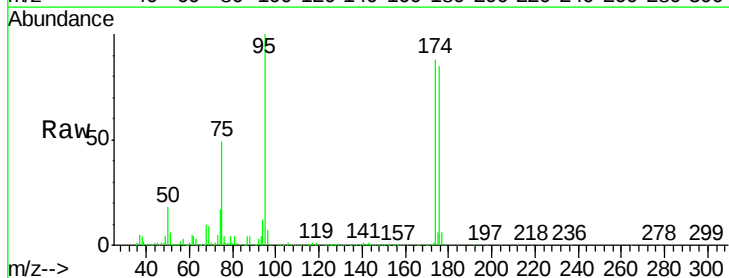
Manual Integrations
 APPROVED

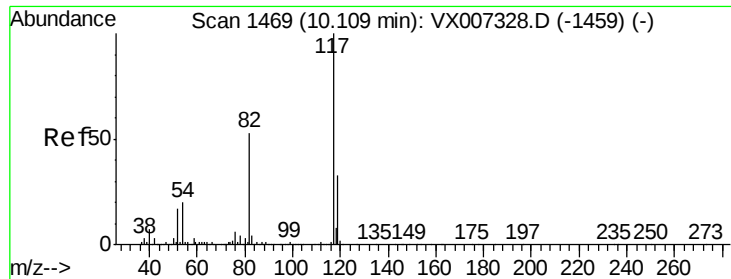
MMDadoda
 2/4/2019 9:37:02 AM



#62
 4-Bromofluorobenzene
 Concen: 49.960 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX007333.D
 Acq: 01 Feb 2019 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	330090		
174	94.0	0.0	189.2	
176	91.7	0.0	186.2	





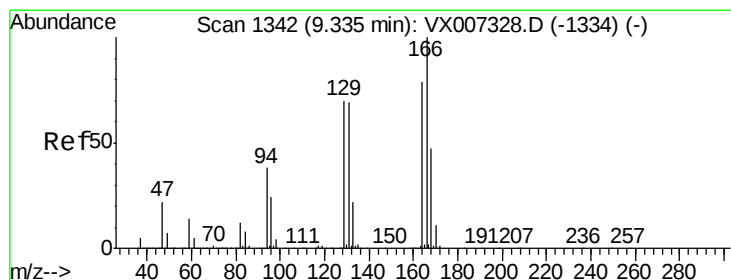
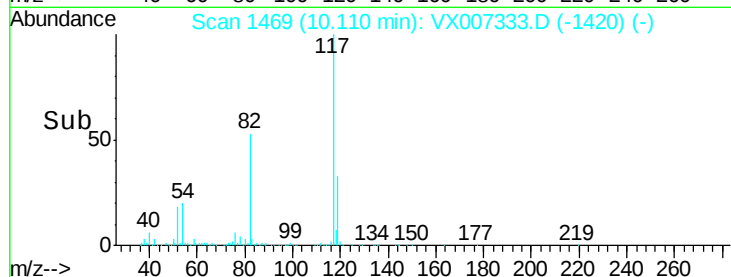
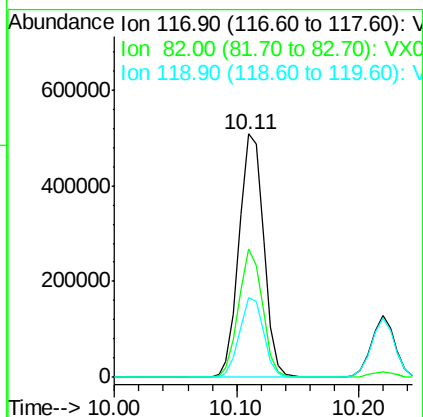
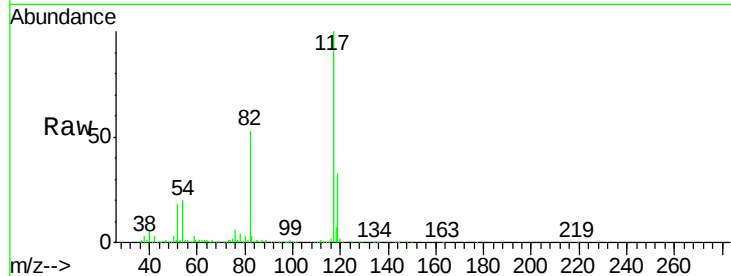
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007333.D
Acq: 01 Feb 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX020119

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.1	63.1
119	32.7	26.5	39.7

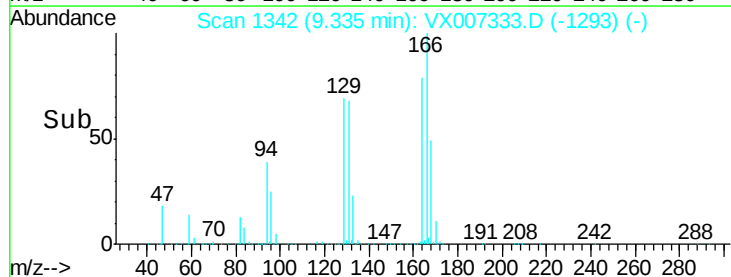
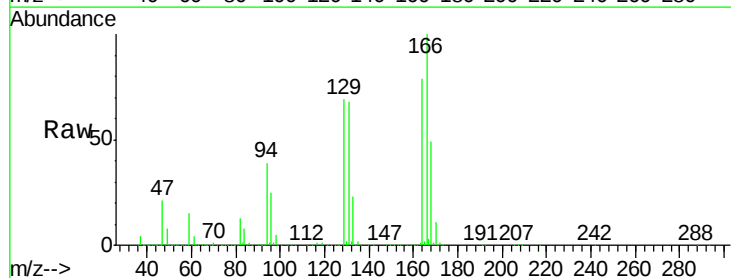
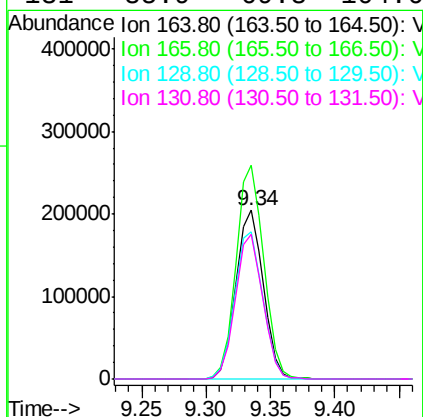
Manual Integrations
APPROVED

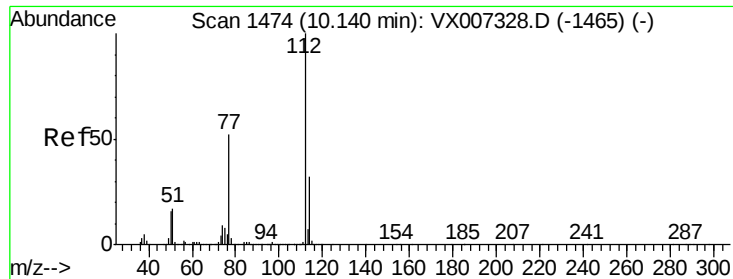
MMDadoda
2/4/2019 9:37:02 AM



#64
Tetrachloroethene
Concen: 45.598 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007333.D
Acq: 01 Feb 2019 13:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	101.0	151.4
129	87.2	70.5	105.7
131	85.9	69.8	104.6





#65

Chlorobenzene

Concen: 46.463 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX020119

Tot Ion:112 Resp: 716741

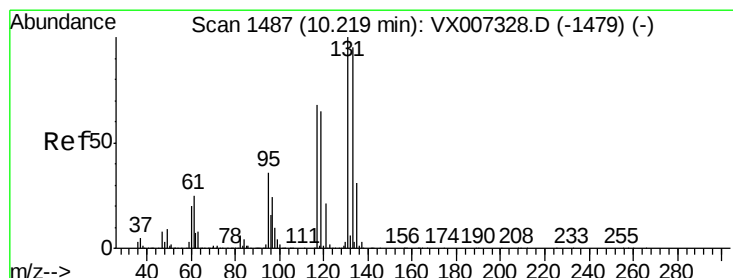
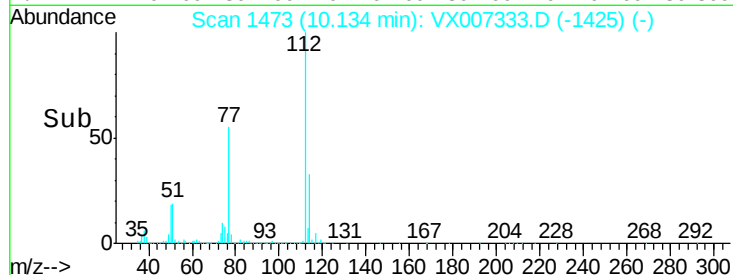
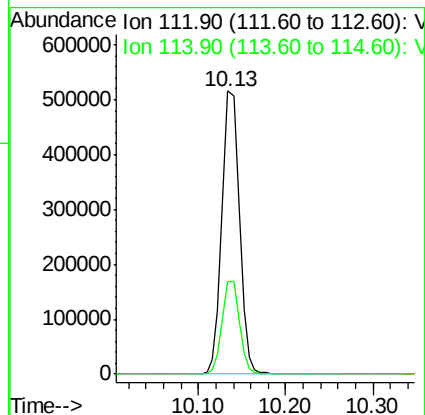
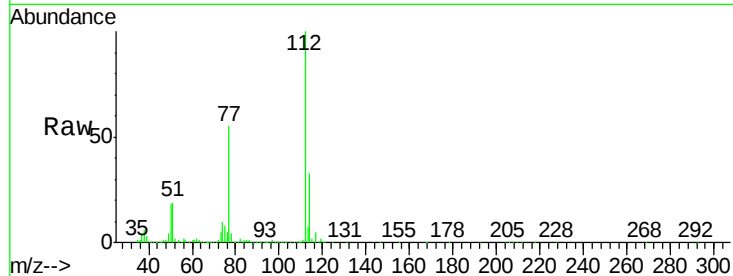
Ion Ratio Lower Upper

112 100

114 32.6 25.8 38.6

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:37:02 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 49.073 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

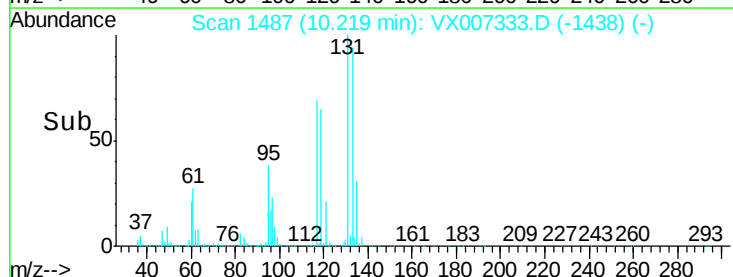
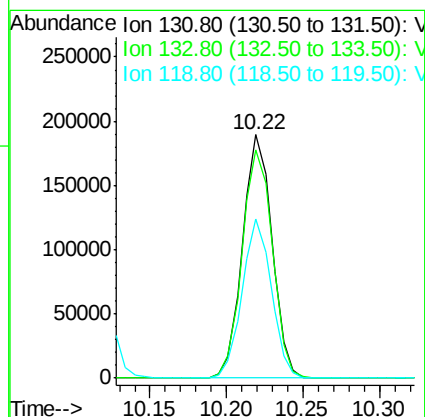
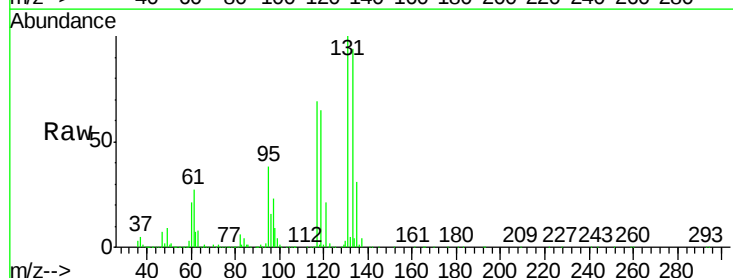
Tgt Ion:131 Resp: 253799

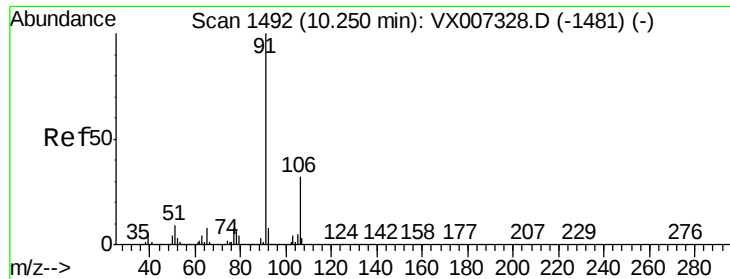
Ion Ratio Lower Upper

131 100

133 96.3 48.0 144.2

119 65.0 32.0 96.0





#67

Ethyl Benzene

Concen: 48.527 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX020119

Tot Ion: 91 Resp: 1205492

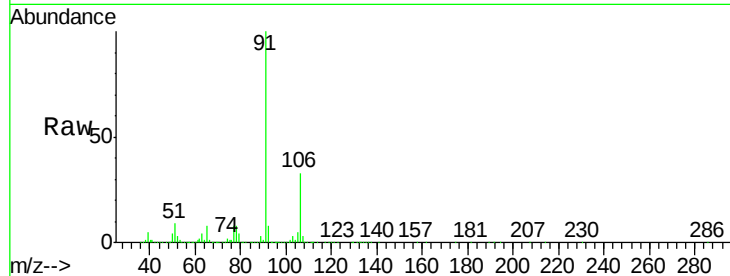
Ion Ratio Lower Upper

91 100

106 32.7 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:37:02 AM



Abundance Ion 91.00 (90.70 to 91.70): VX007333.D (-1443) (-)

Ion 106.00 (105.70 to 106.70): VX007333.D (-1443) (-)

1500000

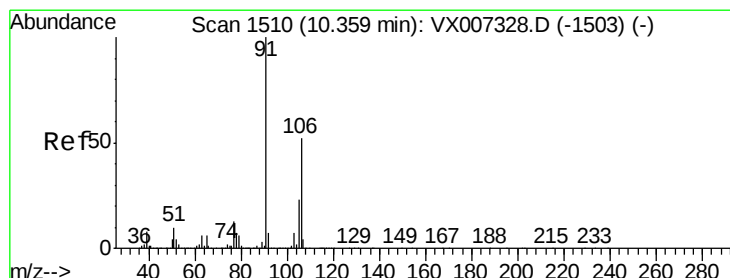
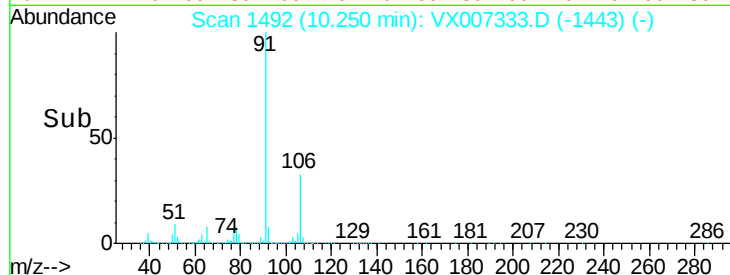
1000000

500000

0

10.20 10.30

Time-->



#68

m/p-Xylenes

Concen: 97.152 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007333.D

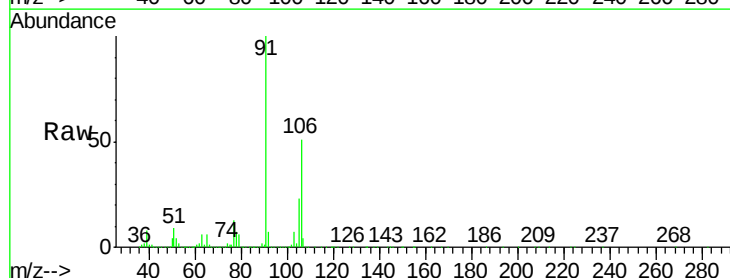
Acq: 01 Feb 2019 13:22

Tgt Ion: 106 Resp: 959360

Ion Ratio Lower Upper

106 100

91 195.7 156.6 234.8



Abundance Ion 106.00 (105.70 to 106.70): VX007333.D (-1461) (-)

Ion 91.00 (90.70 to 91.70): VX007333.D (-1461) (-)

1500000

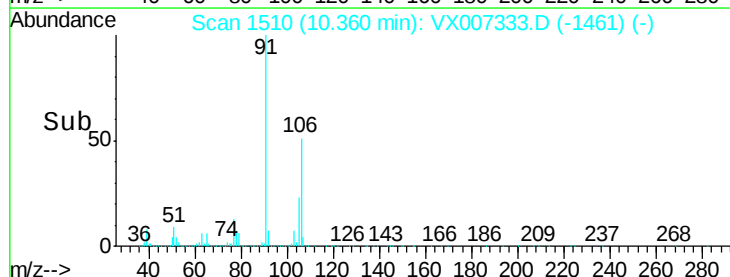
1000000

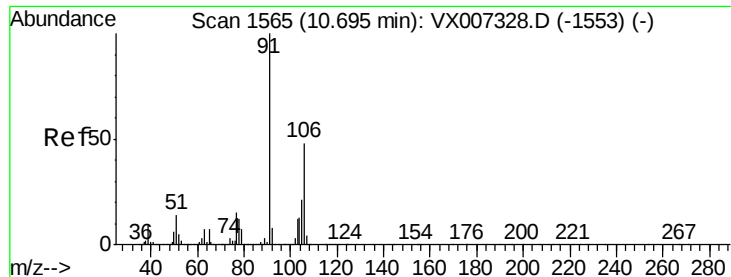
500000

0

10.30 10.40

Time-->





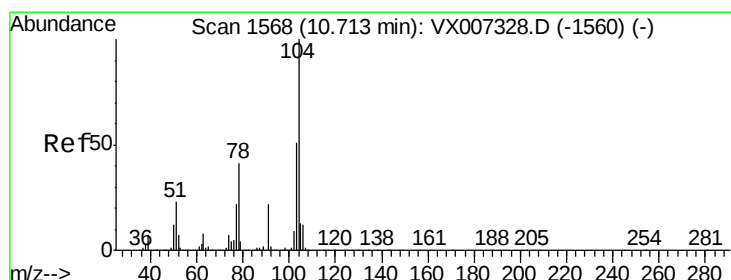
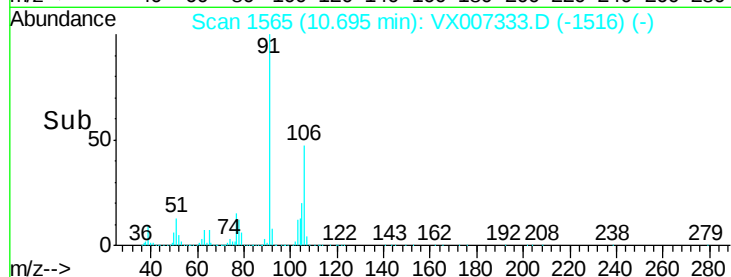
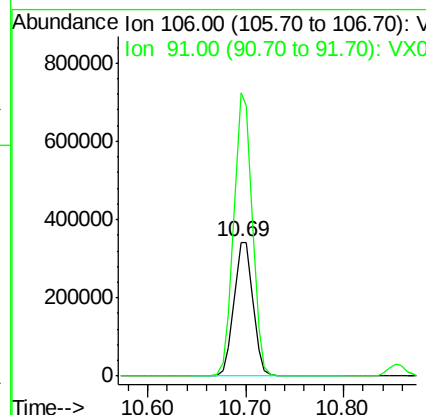
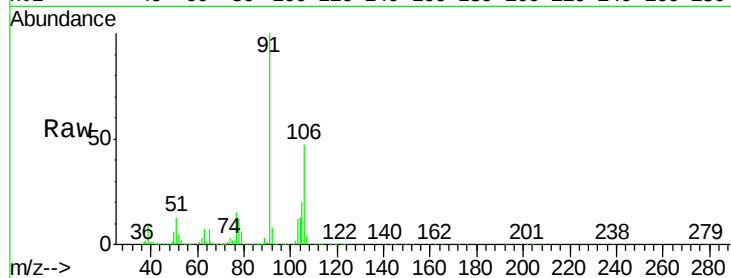
#69
o-Xylene
Concen: 48.895 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX007333.D
Acq: 01 Feb 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX020119

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	464603		
91	91	205.1	102.9	308.7	

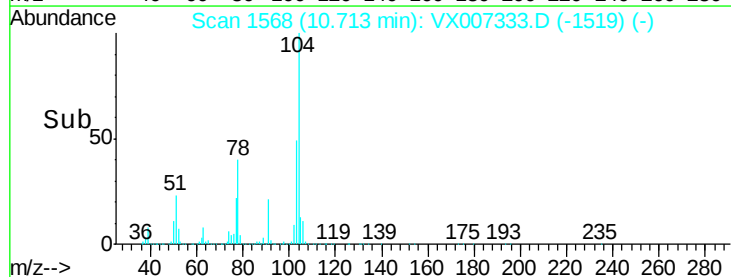
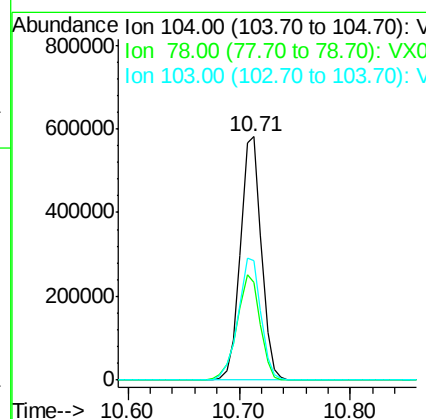
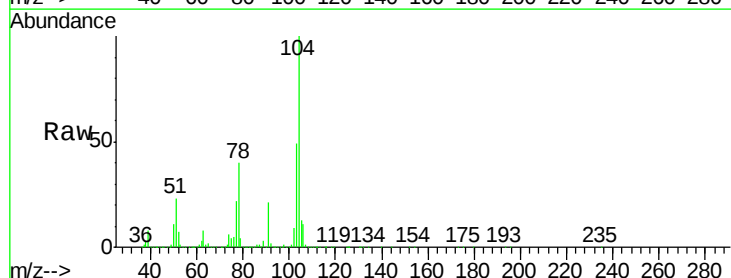
Manual Integrations
APPROVED

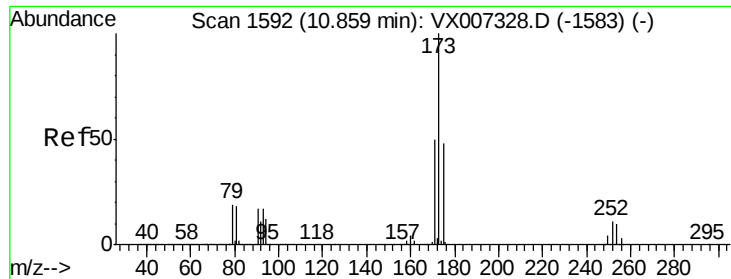
MMDadoda
2/4/2019 9:37:02 AM



#70
Styrene
Concen: 49.210 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007333.D
Acq: 01 Feb 2019 13:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	758342		
78	78	47.3	38.3	57.5	
103	103	54.6	44.6	67.0	





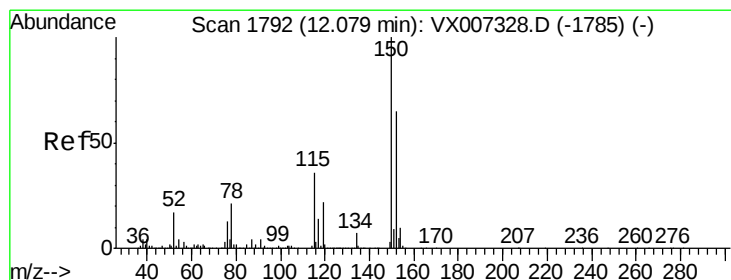
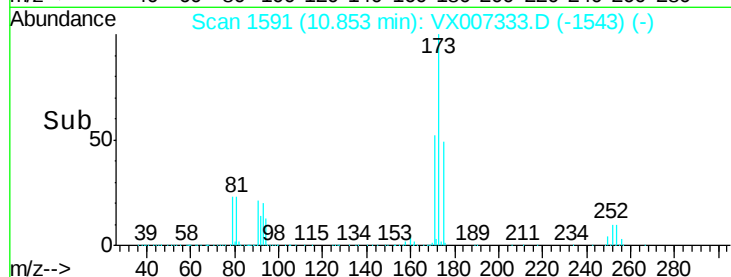
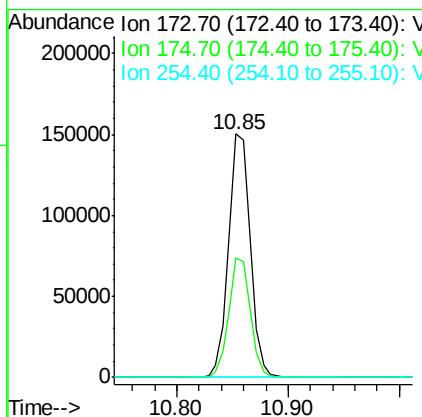
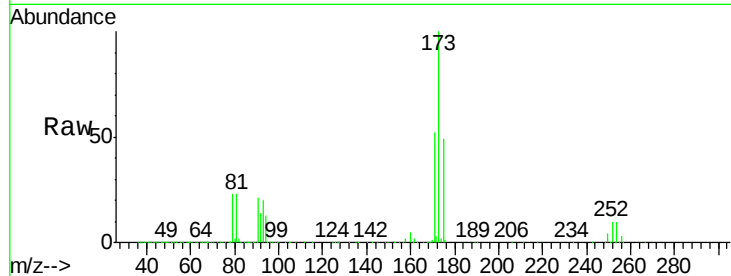
#71
Bromoform
Concen: 45.423 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX007333.D
Acq: 01 Feb 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX020119

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.2	72.6
254	0.2	0.2	0.2

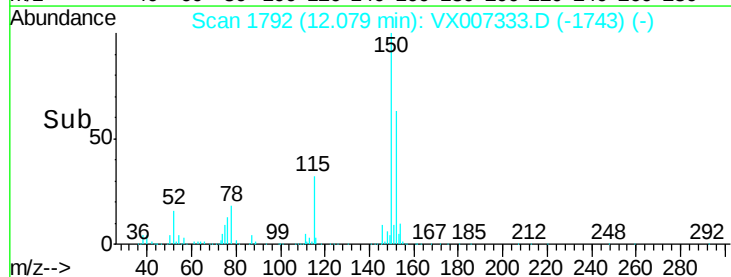
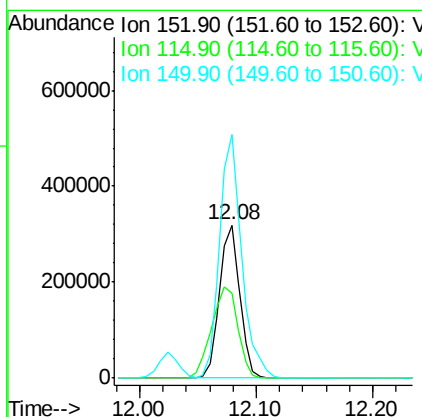
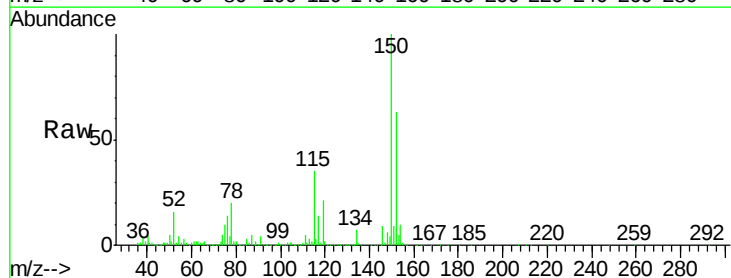
Manual Integrations
APPROVED

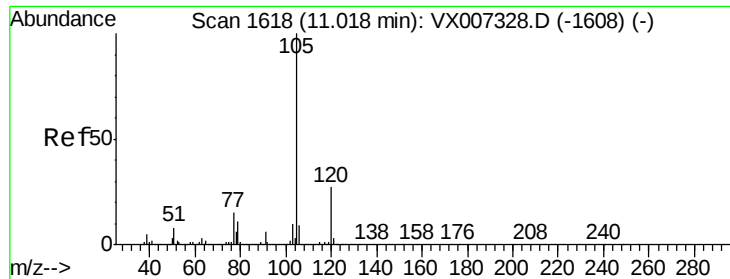
MMDadoda
2/4/2019 9:37:02 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007333.D
Acq: 01 Feb 2019 13:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.1	38.0	114.0
150	174.0	0.0	346.4





#73

Isopropylbenzene

Concen: 48.036 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX020119

Tot Ion:105 Resp: 1243511

Ion Ratio Lower Upper

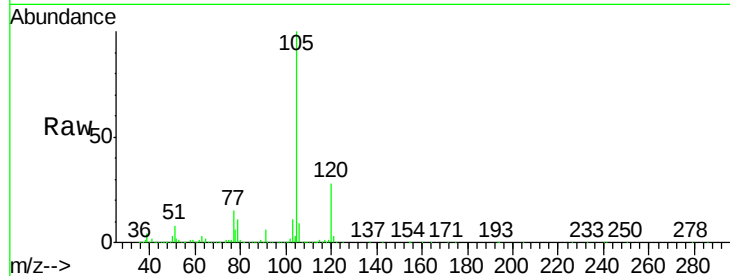
105 100

120 27.4 13.6 40.7

Manual Integrations
APPROVED

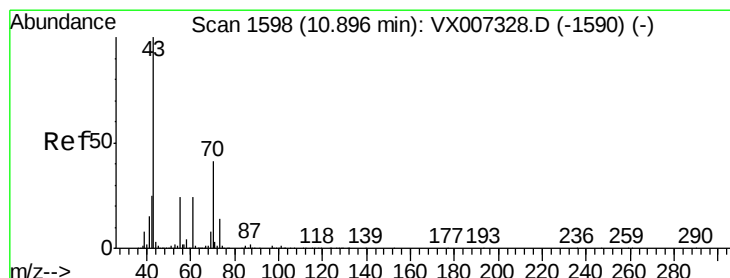
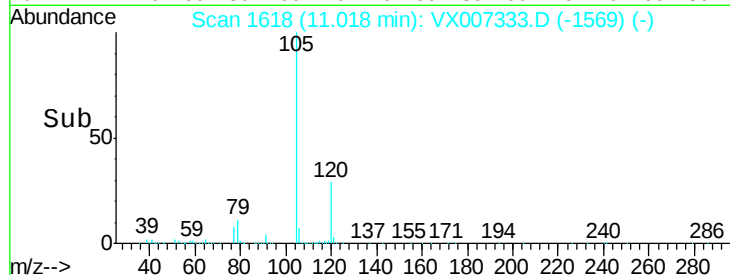
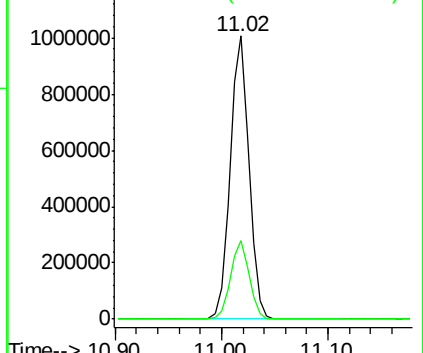
MMDadoda

2/4/2019 9:37:02 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.068 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Tgt Ion: 43 Resp: 481294

Ion Ratio Lower Upper

43 100

70 42.2 33.8 50.6

55 24.2 19.5 29.3

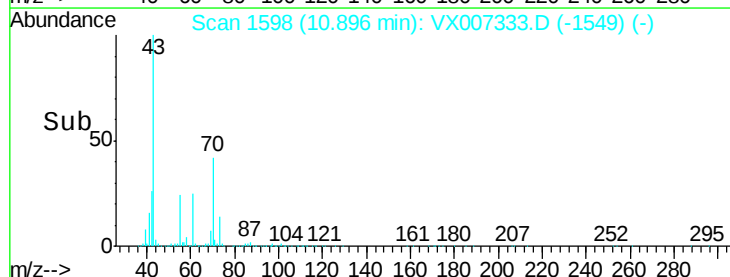
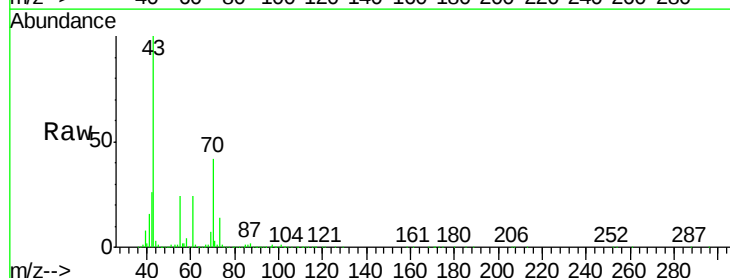
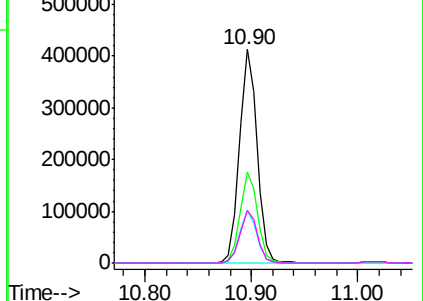
61 24.2 19.4 29.2

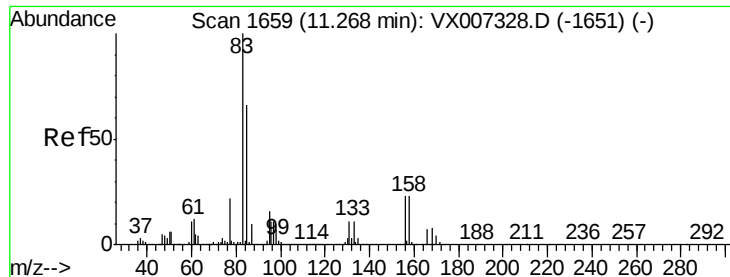
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.076 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Instrument :

MSVOA_X

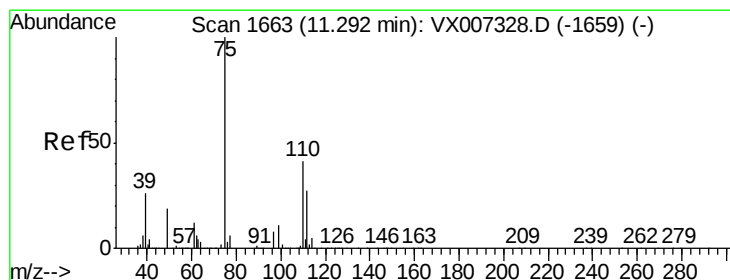
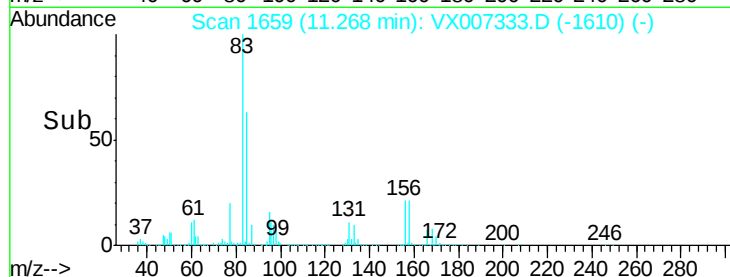
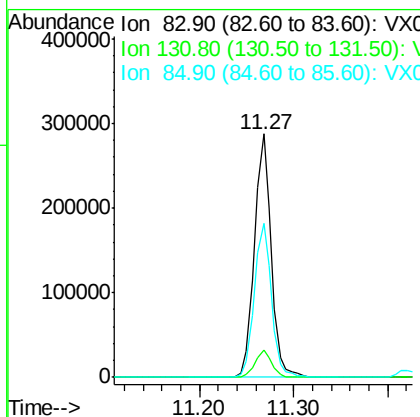
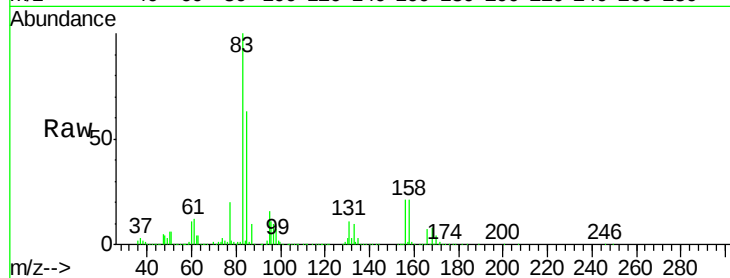
ClientSampleId :

ICVVX020119

Tot Ion:	83	Resp:	363511
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.7	17.0
85	64.9	32.8	98.3

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:37:02 AM



#76

1,2,3-Trichloropropane

Concen: 48.762 ug/l m

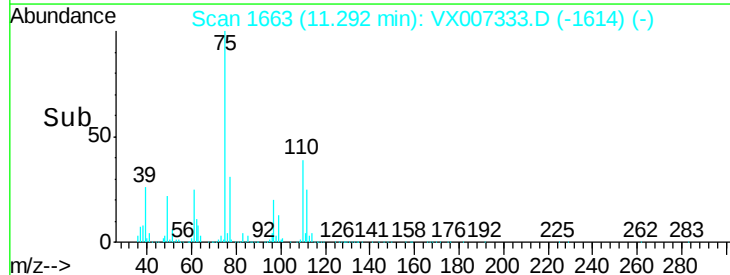
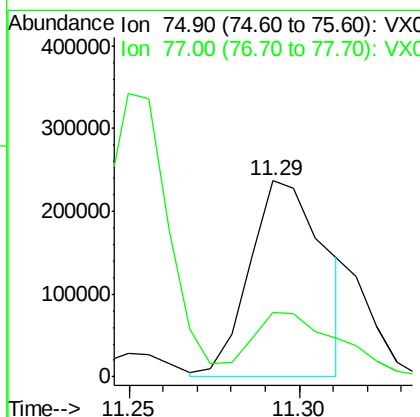
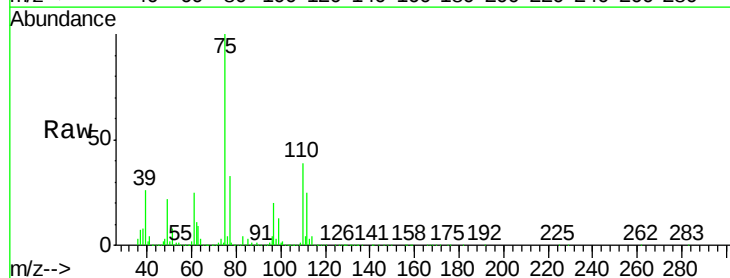
RT: 11.29 min Scan# 1663

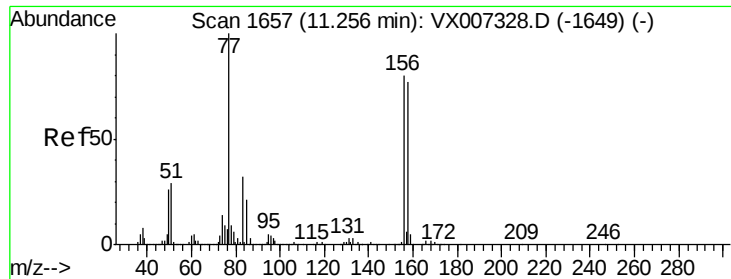
Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Tgt Ion:	75	Resp:	361316
Ion Ratio	Lower	Upper	
75	100		
77	39.0	23.0	69.0





#77

Bromobenzene

Concen: 45.890 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Instrument :

MSVOA_X

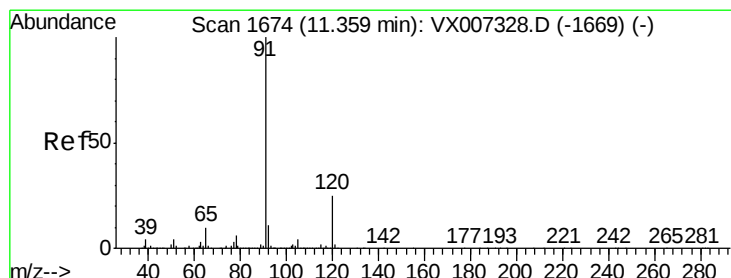
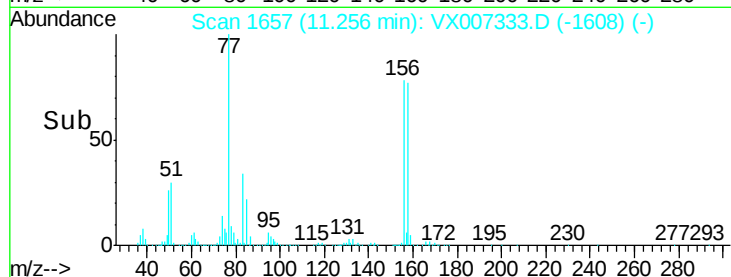
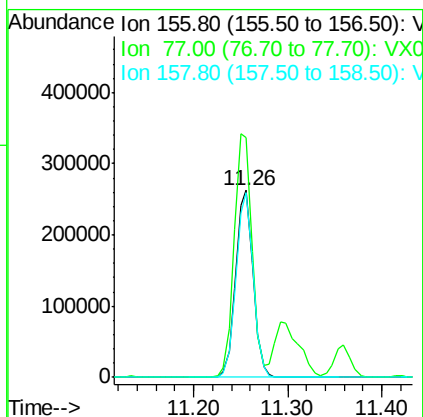
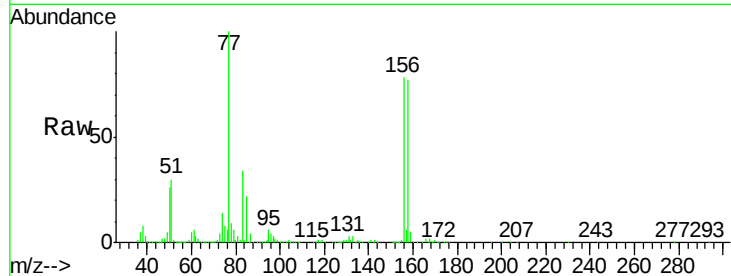
ClientSampleId :

ICVVX020119

Tot Ion	Ratio	Lower	Upper
156	100		
77	133.3	66.8	200.6
158	97.4	47.9	143.8

Manual Integrations
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2/4/2019 9:37:02 AM



#78

n-propylbenzene

Concen: 49.688 ug/l

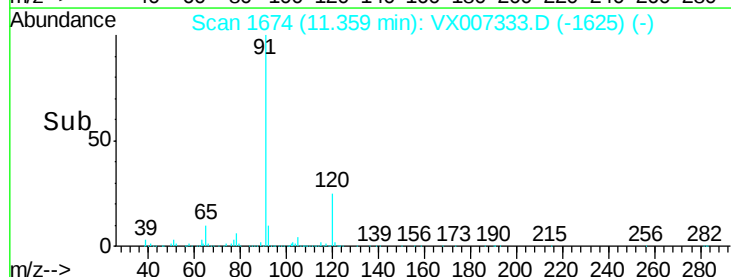
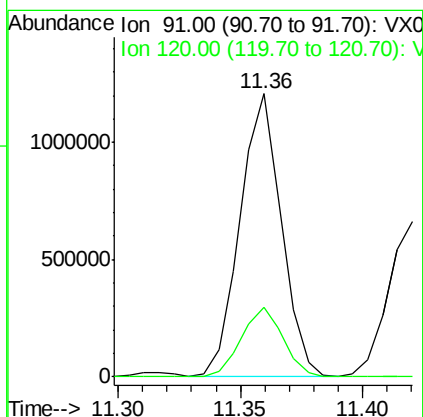
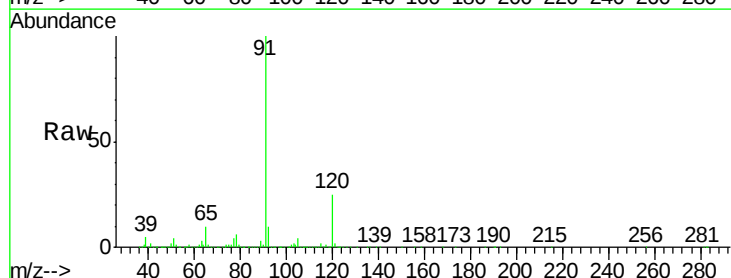
RT: 11.36 min Scan# 1674

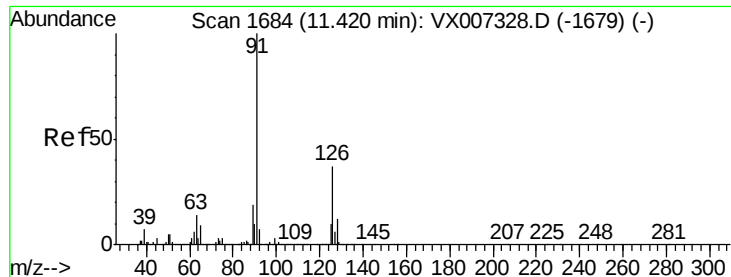
Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.4	37.2





#79

2-Chlorotoluene

Concen: 47.475 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Instrument :

MSVOA_X

ClientSampled :

ICVVX020119

Tot Ion: 91 Resp: 817734

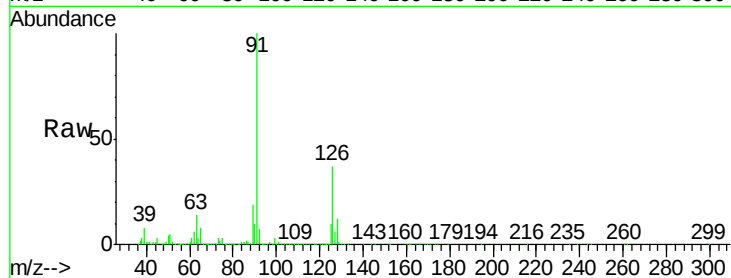
Ion Ratio Lower Upper

91 100

126 36.9 18.7 56.1

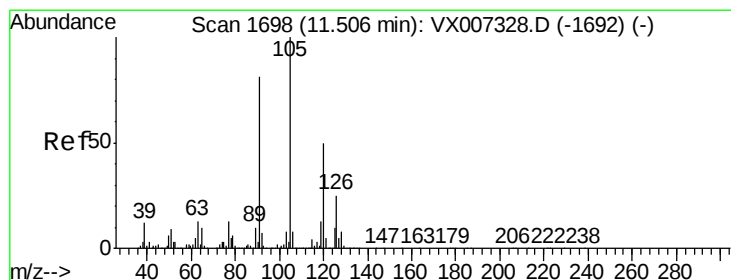
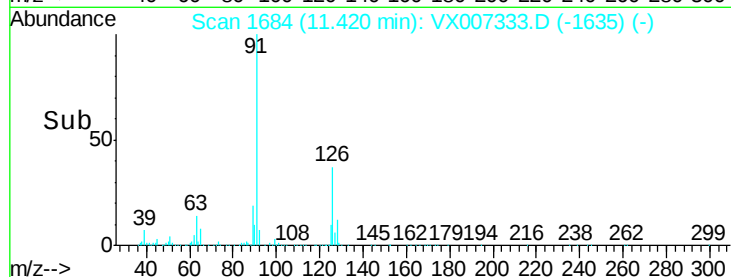
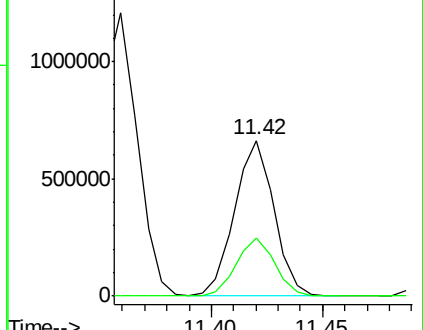
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX007328.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX007328.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.105 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007333.D

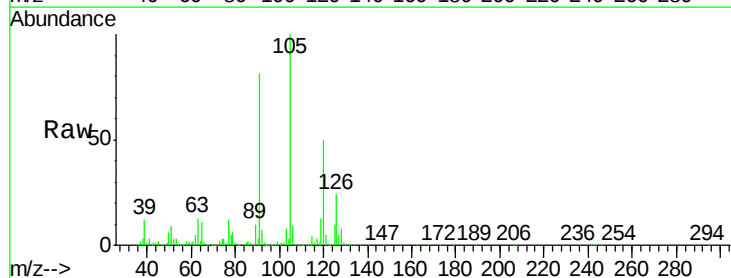
Acq: 01 Feb 2019 13:22

Tgt Ion: 105 Resp: 1039988

Ion Ratio Lower Upper

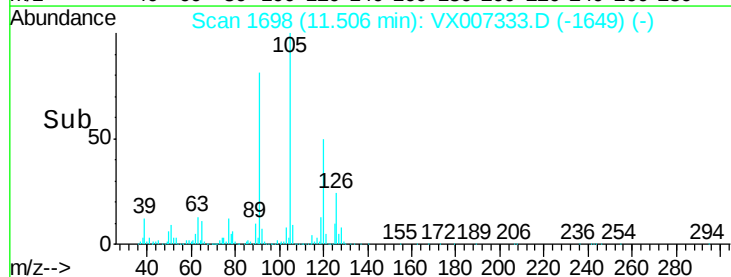
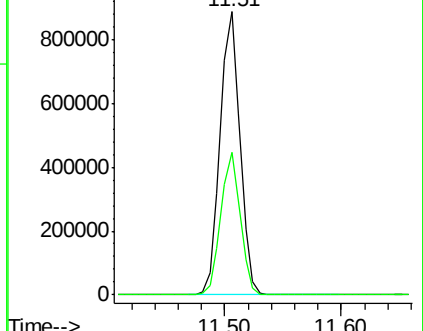
105 100

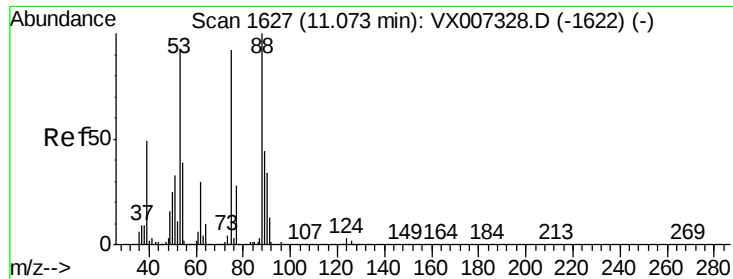
120 49.5 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VX007328.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX007328.D (-1692) (-)





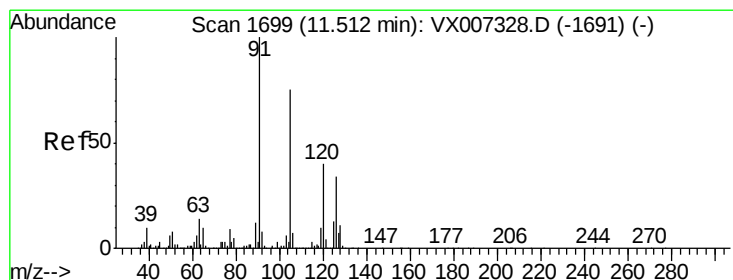
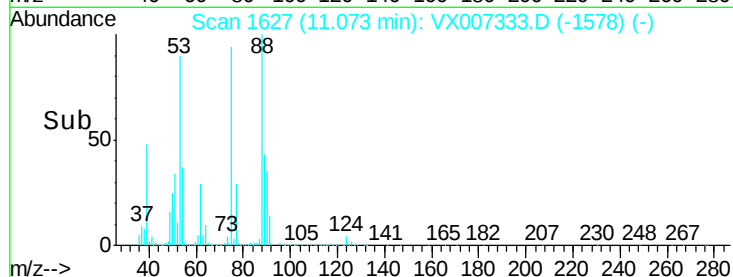
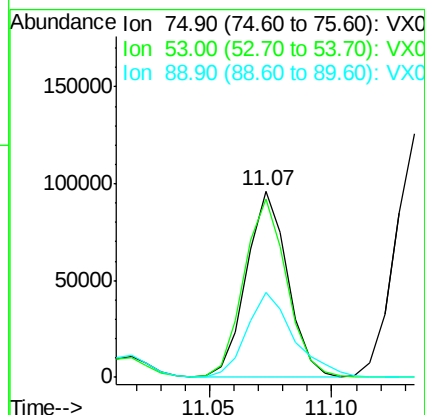
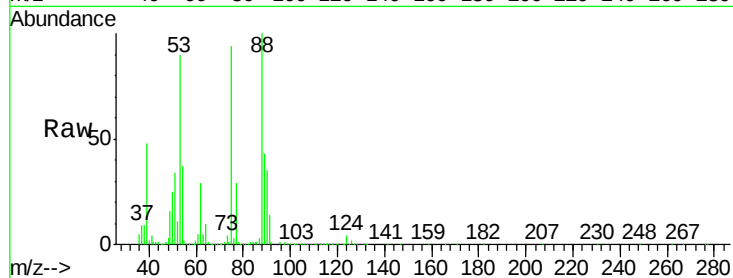
#81
trans-1,4-Dichloro-2-butene
Concen: 47.166 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007333.D
Acq: 01 Feb 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX020119

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.0	81.0	121.6
89	52.3	41.4	62.0

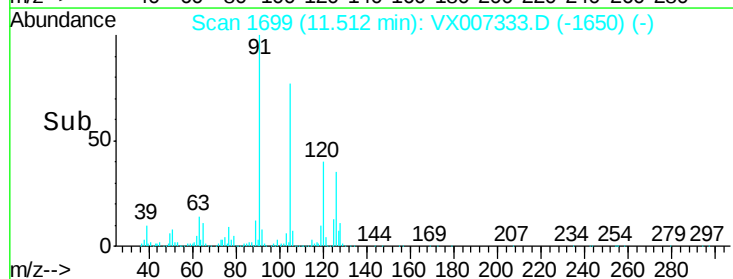
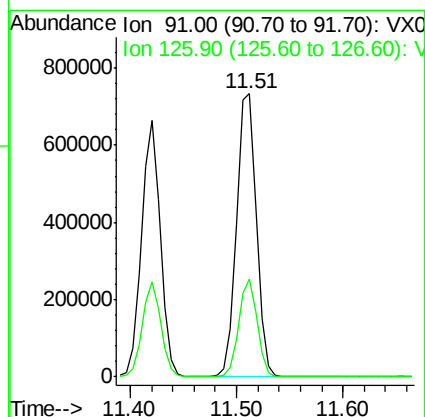
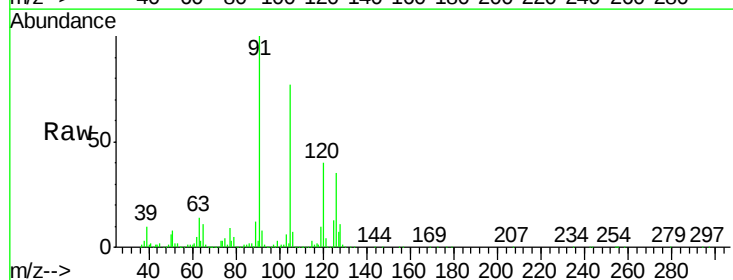
Manual Integrations
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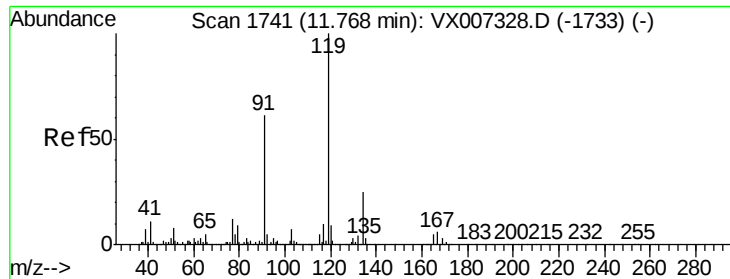
MMDadoda
2/4/2019 9:37:02 AM



#82
4-Chlorotoluene
Concen: 48.331 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX007333.D
Acq: 01 Feb 2019 13:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.2	48.5





#83

tert-Butylbenzene

Concen: 48.497 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Instrument :

MSVOA_X

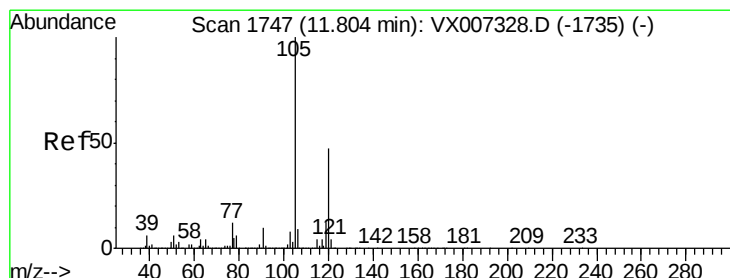
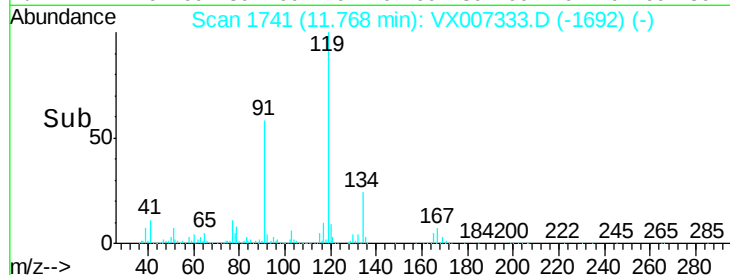
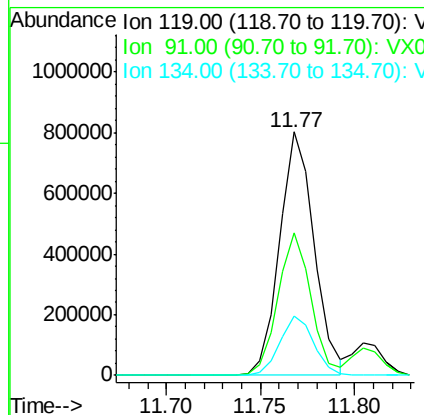
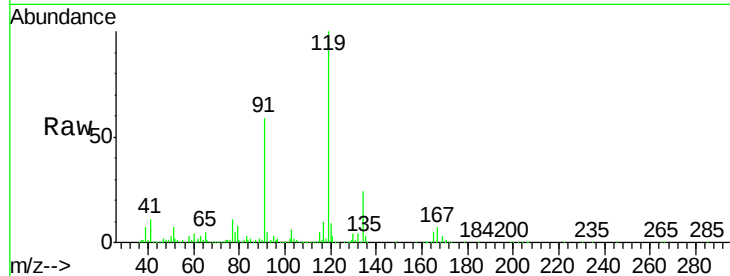
ClientSampleId :

ICVVX020119

Tot Ion:	119	Resp:	1016901
Ion	Ratio	Lower	Upper
119	100		
91	56.1	28.5	85.6
134	23.8	12.0	36.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 49.402 ug/l

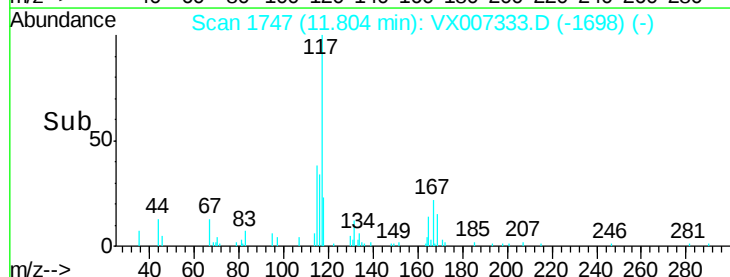
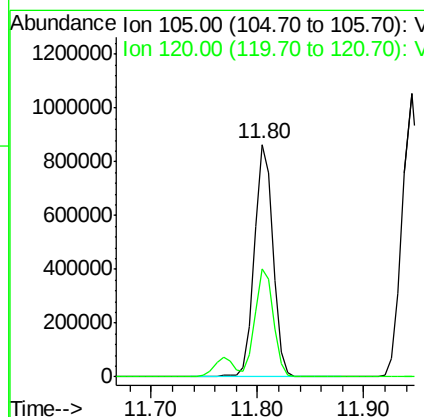
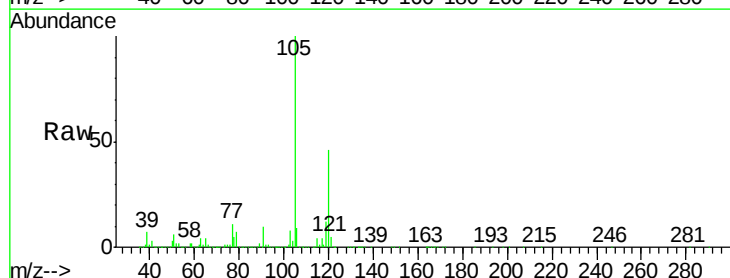
RT: 11.80 min Scan# 1747

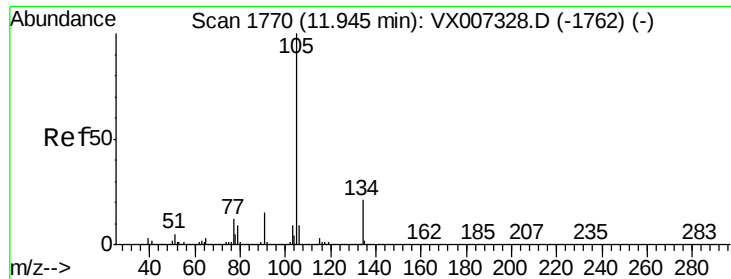
Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Tgt Ion:	105	Resp:	1062214
Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.1	69.3





#85

sec-Butylbenzene

Concen: 50.213 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX020119

Tot Ion:105 Resp: 1274321

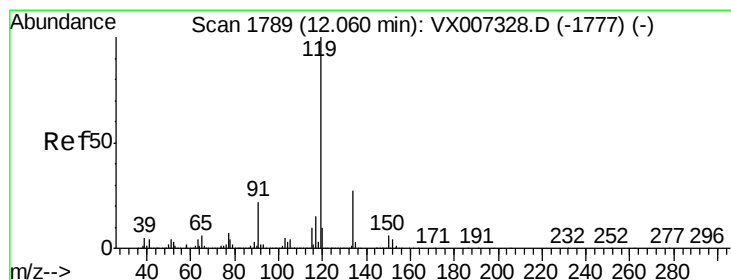
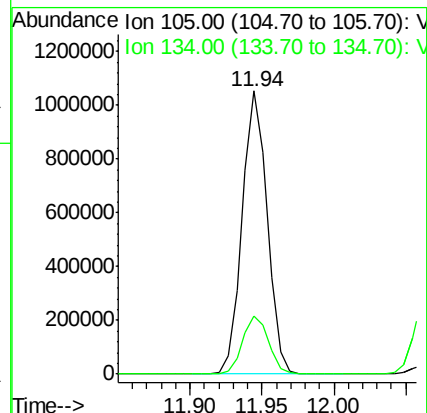
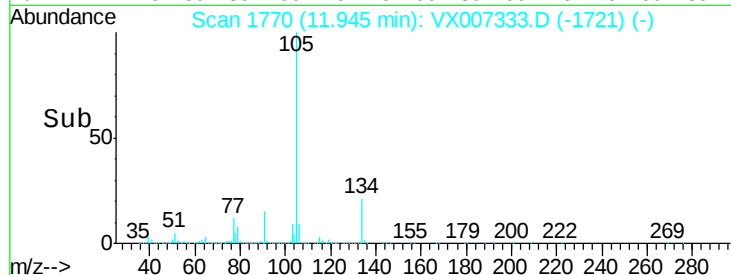
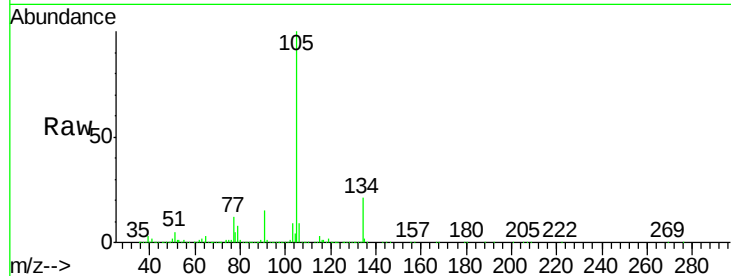
Ion Ratio Lower Upper

105 100

134 21.1 10.6 31.8

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 49.864 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

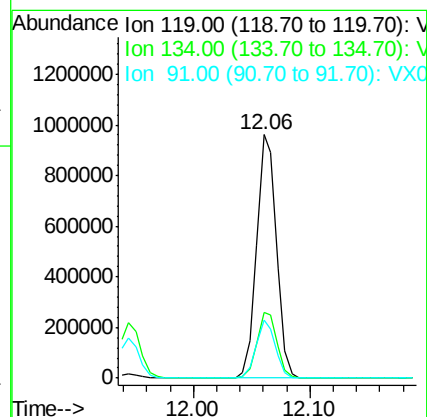
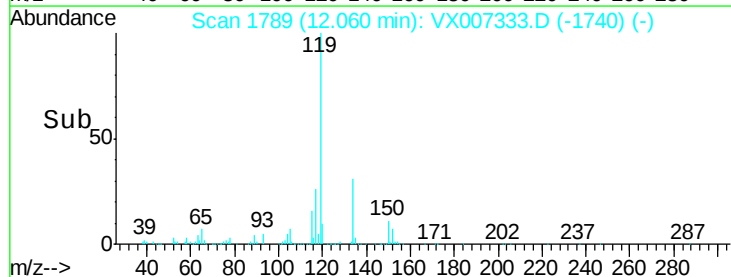
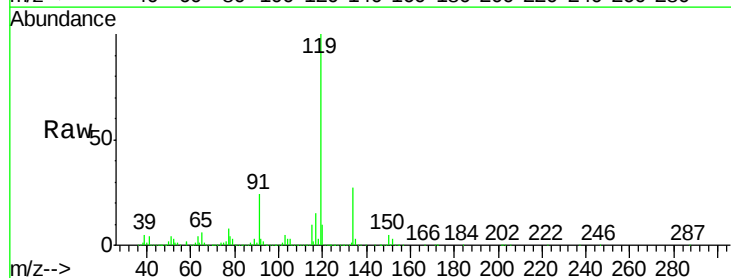
Tgt Ion:119 Resp: 1142341

Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.1

91 22.9 11.2 33.5





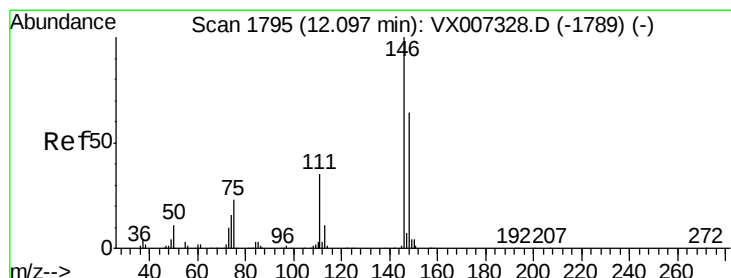
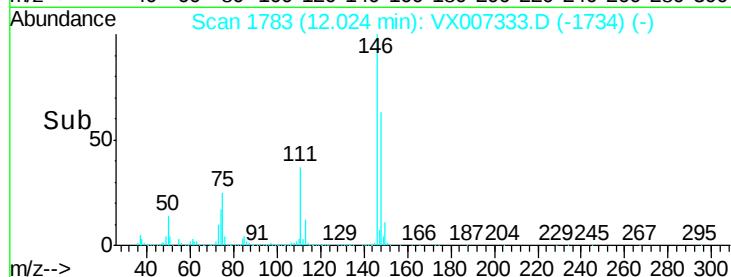
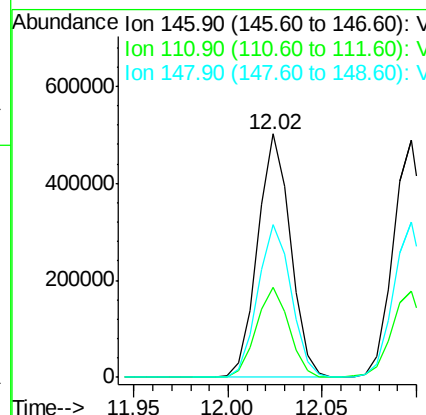
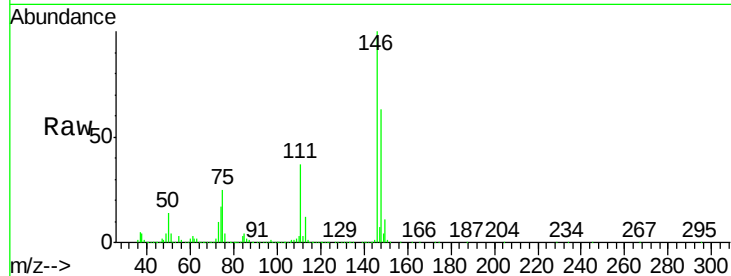
#87
 1,3-Dichlorobenzene
 Concen: 46.328 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007333.D
 Acq: 01 Feb 2019 13:22

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX020119

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.1
148	63.7	32.0	96.2

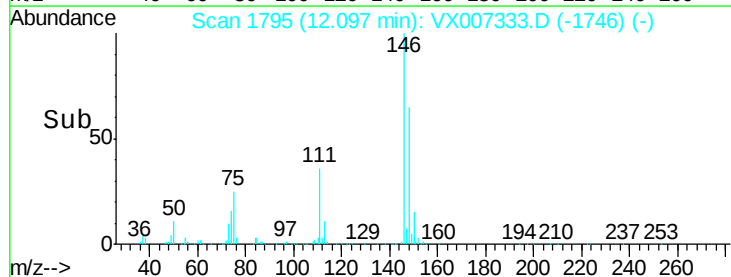
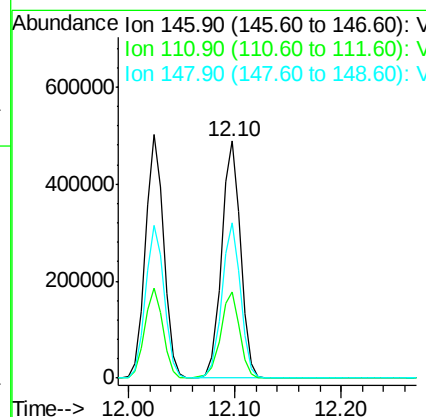
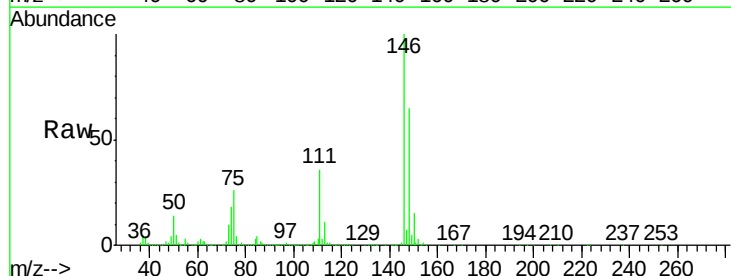
Manual Integrations
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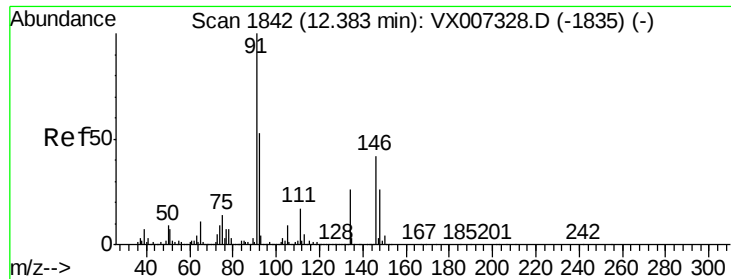
MMDadoda
 2/4/2019 9:37:02 AM



#88
 1,4-Dichlorobenzene
 Concen: 45.114 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007333.D
 Acq: 01 Feb 2019 13:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.1	54.1
148	64.8	32.3	96.9





#89

n-Butylbenzene

Concen: 50.284 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Instrument :

MSVOA_X

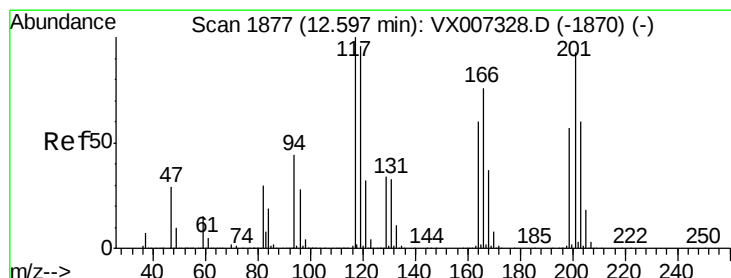
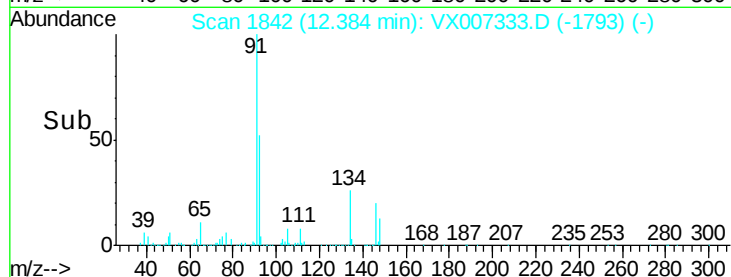
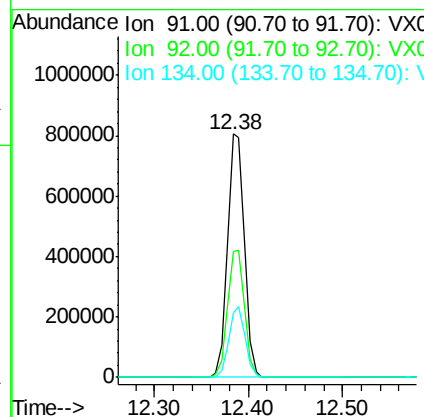
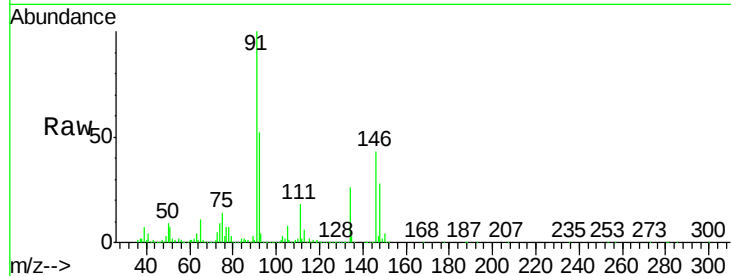
ClientSampled :

ICVVX020119

Tot Ion:	91	Resp:	990964
Ion Ratio	Lower	Upper	
91	100		
92	52.7	26.3	78.9
134	27.9	13.9	41.6

Manual Integrations
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#90

Hexachloroethane

Concen: 52.355 ug/l

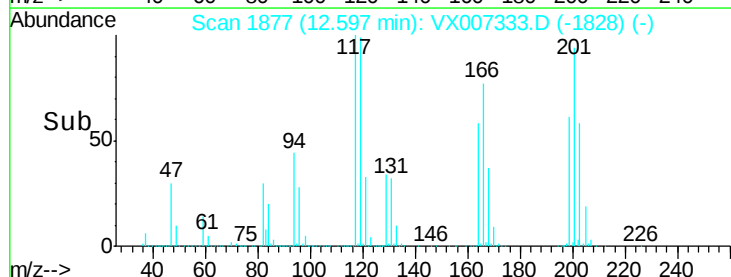
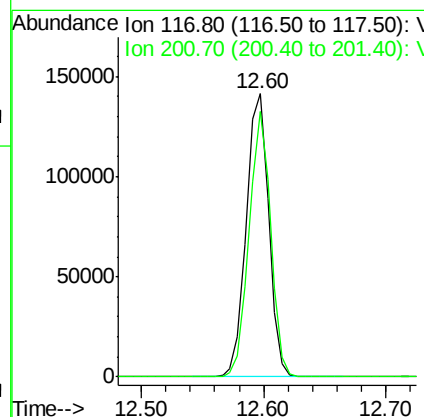
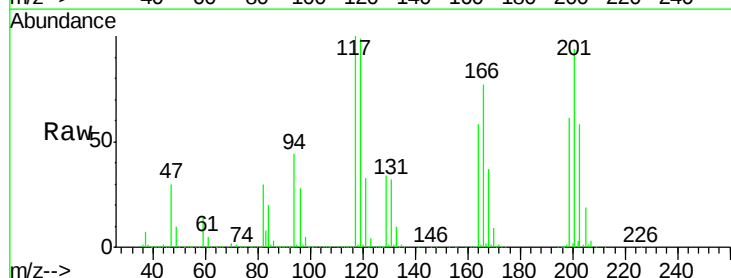
RT: 12.60 min Scan# 1877

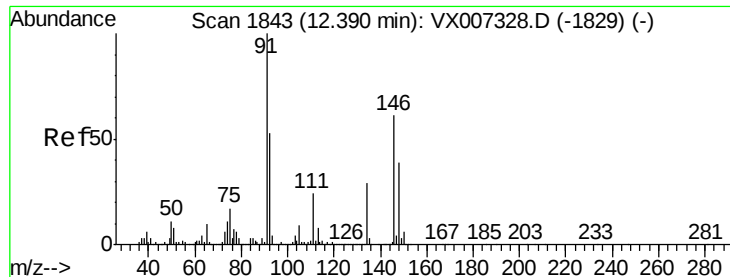
Delta R.T. 0.00 min

Lab File: VX007333.D

Acq: 01 Feb 2019 13:22

Tgt Ion:	117	Resp:	179504
Ion Ratio	Lower	Upper	
117	100		
201	90.1	44.9	134.7





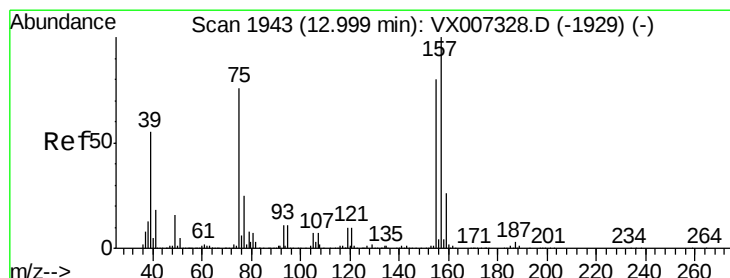
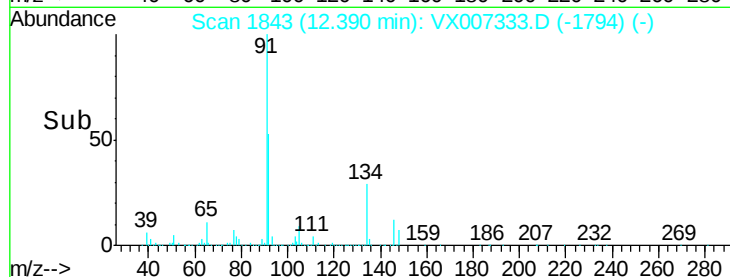
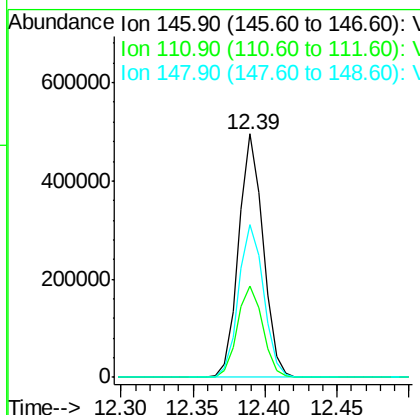
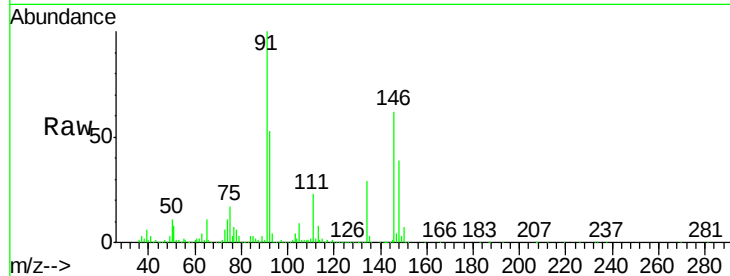
#91
 1,2-Dichlorobenzene
 Concen: 45.065 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007333.D
 Acq: 01 Feb 2019 13:22

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX020119

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.3
148	64.3	32.1	96.3

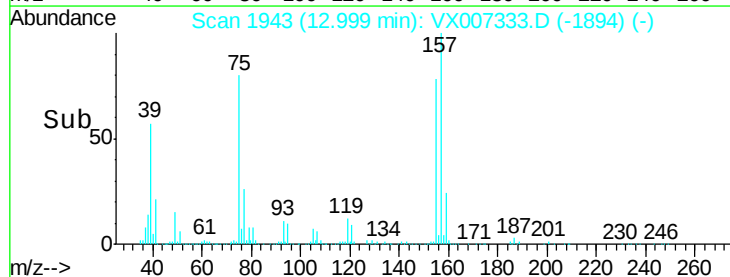
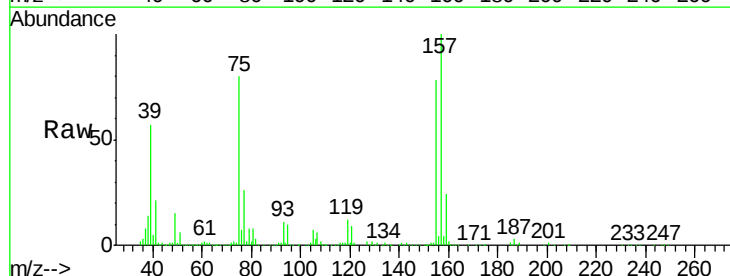
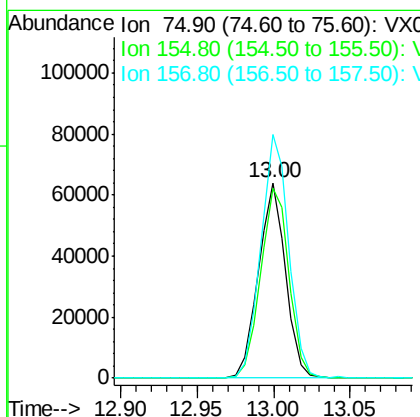
Manual Integrations
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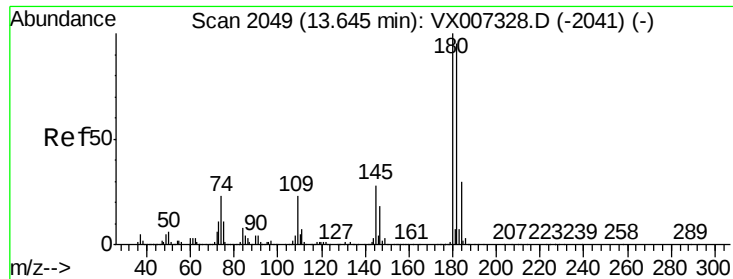
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.205 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007333.D
 Acq: 01 Feb 2019 13:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.0	49.6	149.0
157	128.6	65.1	195.3





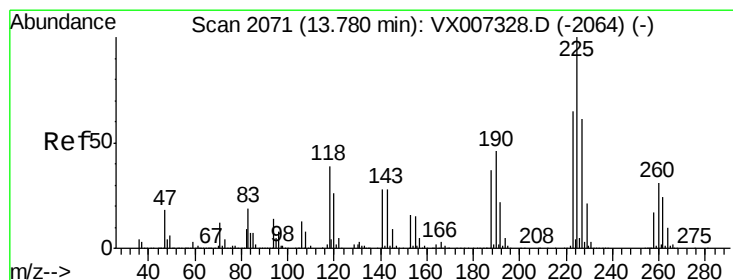
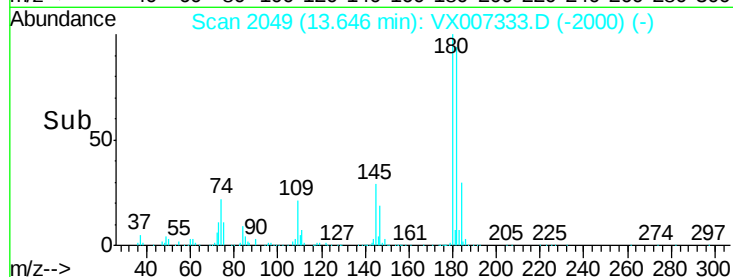
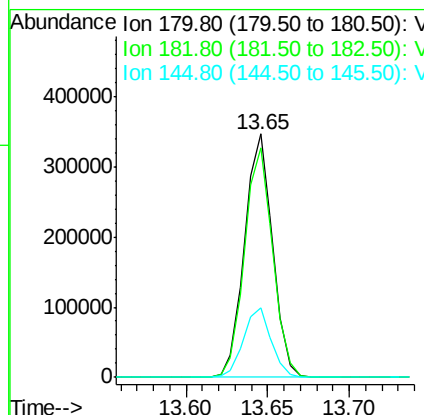
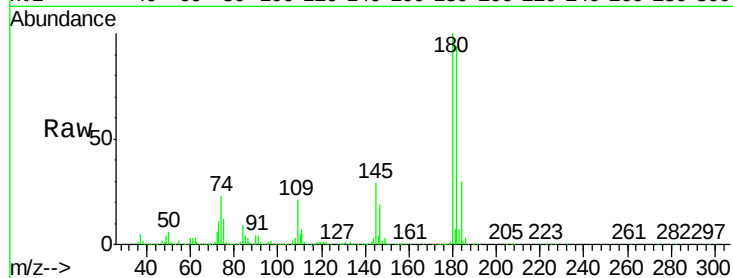
#93
 1,2,4-Trichlorobenzene
 Concen: 47.282 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007333.D
 Acq: 01 Feb 2019 13:22

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX020119

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.9	47.8	143.3	
145	28.6	14.1	42.2	

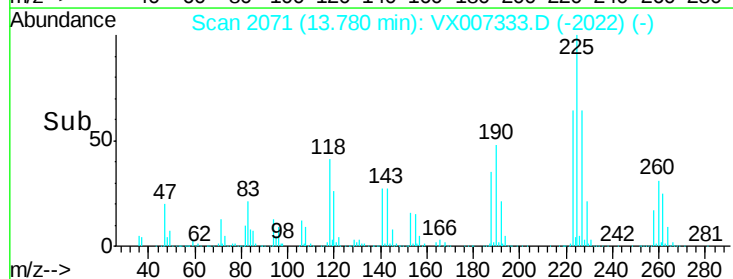
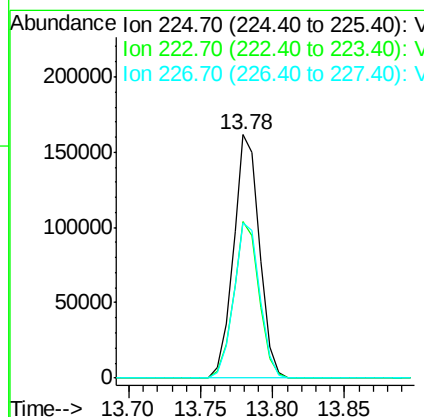
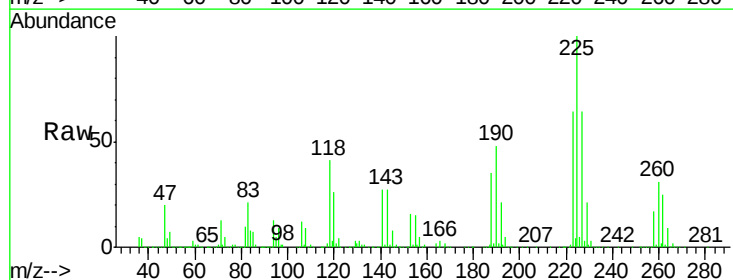
Manual Integrations
 APPROVED

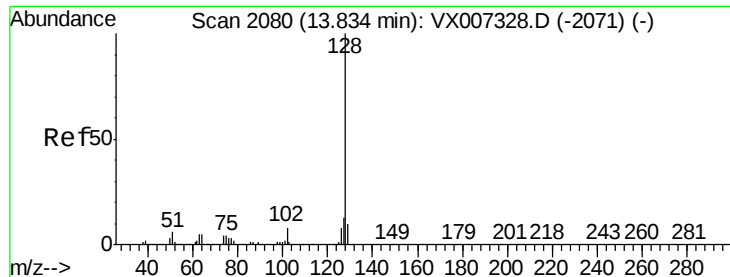
MMDadoda
 2/4/2019 9:37:02 AM



#94
 Hexachlorobutadiene
 Concen: 47.584 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007333.D
 Acq: 01 Feb 2019 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.3	31.6	94.8	
227	64.2	32.1	96.3	





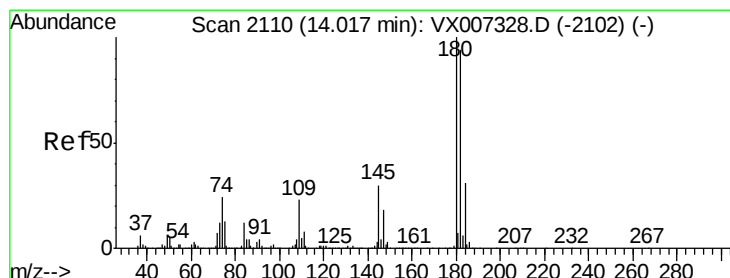
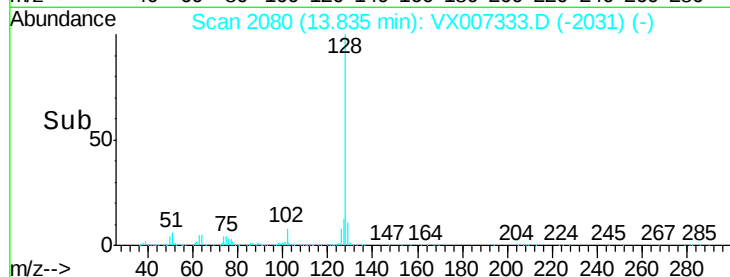
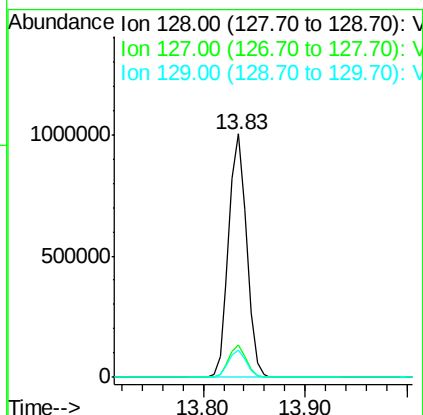
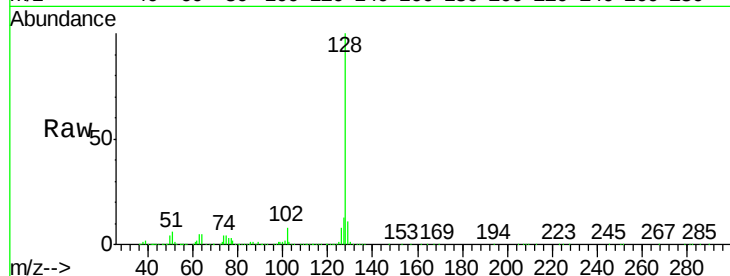
#95
Naphthalene
Concen: 47.512 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007333.D
Acq: 01 Feb 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX020119

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:37:02 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.413 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX007333.D
Acq: 01 Feb 2019 13:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.6
145	30.0	14.9	44.5

